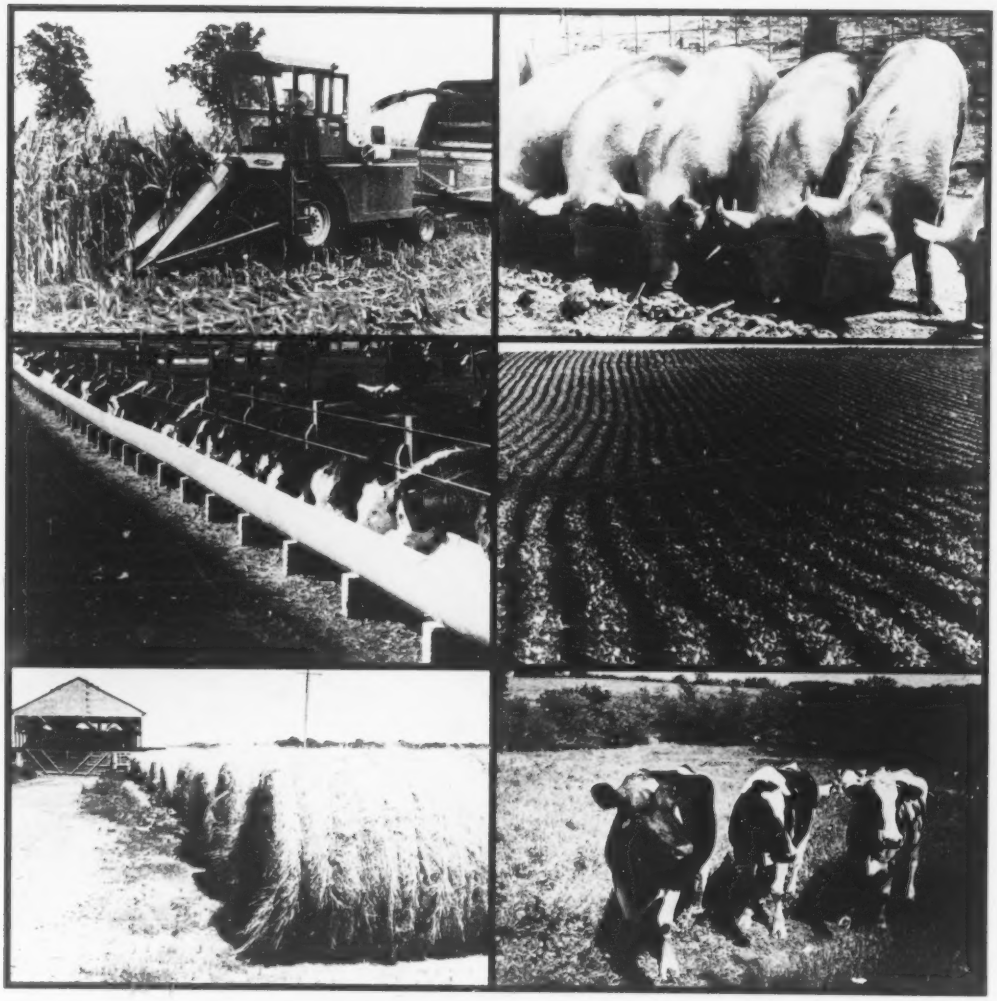
1991
MISSOURI
FARM FACTS



MISSOURI DEPARTMENT OF AGRICULTURE

MISSOURI AGRICULTURAL STATISTICS DISTRICTS WITH 1990 PRECIPITATION BY COUNTY *

STATE AVERAGE - 51.13 inches.

** Precipitation data represents one location per county and is furnished by the Agricultural Stabilization and Conservation Service county offices.*

MISSOURI FARM FACTS 1991

Issued Cooperatively by

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July 1991

EXECUTIVE OFFICE
STATE OF MISSOURI

JOHN ASHCROFT
GOVERNOR

As governor of Missouri, I am pleased to present the latest edition of Missouri Farm Facts, the most complete summary of the state's agricultural industry.

Two things are evident in reviewing this publication. First, Missouri agriculture is a major contributor to the state's economy, with nearly $4 billion in annual farm receipts. Second, Missouri is among the nation's leaders in nearly every category of agricultural production: beef and dairy cattle, hogs, poultry, soybeans, rice, corn, hay, cotton, and grain sorghum.

As proud as I am of the farmers who grow traditional crops and the livestock ranchers who raise quality animals, I am equally proud of the thousands of men and women who provide an abundance of services to Missouri agriculture. Farm input suppliers, implement dealers, veterinarians, food processors and many others comprise the support system that keeps Missouri agriculture strong and competitive.

The information in this publication represents the hard work and endurance of a great industry--Missouri agriculture. As you read through this edition, I hope you will gain a renewed appreciation of Missouri agriculture and its many contributions to the state's well-being.

John Ashcroft

P.O. Box 720 Jefferson City, Missouri 65102

DEPARTMENT OF AGRICULTURE
STATE OF MISSOURI
JEFFERSON CITY

JOHN ASHCROFT
GOVERNOR

TIM KELLEY
DIRECTOR

This is the first edition of Missouri Farm Facts published since my appointment as director of agriculture. The format has changed little over the years, yet each issue has a unique character because the seemingly dry numbers portray the triumphs and losses, successes and failures in agriculture during a given year.

The 1991 edition, which you now have in hand, is not an exception. You will note that the wet spring in 1990 led to serious delays in field work. The late seeded crops were much more vulnerable to unfavorable fall weather such as an early frost. Nevertheless, late harvested crops came through in fine shape because the state experienced one of the most beautiful fall seasons in memory. The wet spring wasn't all bad. Our number one generator of cash farm income, cattle, benefitted from the abundant spring forage production.

The data in this publication is based on reports from thousands of men and women associated with farms and agribusiness in the state. This summary documents their work, and I'm grateful for their participation in helping prepare this valuable information.

Tim Kelley

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FACTS FOR AGRICULTURE

Agriculture plays a key role in the well being of Missouri's economy. Also the State's agricultural output has a significant impact on the total U.S. farm economy. The data in this bulletin will show that Missouri's agriculture is both abundant and diverse. Agricultural commodities originating in this state range from the corn and soybeans produced on the farms of the north to the cotton and rice produced on the delta lands of the southeast. The rolling hills of the Ozarks support substantial beef and dairy enterprises.

There were 108,000 farms in Missouri in 1990. These farms produced 4.0 billion dollars of farm marketings of which over 1.2 billion dollars went overseas as farm exports. Following are some other facts about Missouri's agriculture in 1990.

* **SIX** percent of the **U.S. SOYBEANS** are grown in Missouri.
* **SEVEN** percent of the **U.S. GRAIN SORGHUM** is grown in Missouri.
* **SIX** percent of the **U.S. CATTLE OPERATIONS** are in Missouri.
* **SIX** percent of the **U.S. TURKEYS** are raised in Missouri.
* **SIX** percent of the **U.S. HOG OPERATIONS** are in Missouri.
* Missouri is the **SECOND** leading state in **BEEF COWS** as of Jan. 1, 1991.
* Missouri is the **SECOND** leading state in **HAY PRODUCTION** (excluding alfalfa).
* Missouri ranks **TENTH** IN **WINTER WHEAT PRODUCTION.**
* Missouri ranks **SIXTH** in **RICE PRODUCTION.**
* Missouri ranks **TENTH** in **CORN PRODUCTION.**
* Missouri ranks **ELEVENTH** in **COTTON PRODUCTION.**
* Missouri is the **ELEVENTH** leading state in **MILK PRODUCTION.**
* Missouri ranked **FIFTEENTH** in **RED MEAT PRODUCTION** as over 677 million pounds of red meat went through Missouri's slaughter plants in 1990.

MISSOURI'S RANK AMONG STATES 1990

	RANK	UNIT	TOTAL	PERCENT OF U.S. TOTAL
Crops				
Hay, excluding alfalfa	2	tons	5,425,000	8.6
Sorghum grain	4	bushels	42,640,000	7.5
Hay, all	6	tons	6,865,000	4.7
Soybeans	6	bushels	124,500,000	6.5
Rice, all	6	hundredweight	3,760,000	2.4
Sorghum silage	7	tons	220,000	4.0
Concord grapes	7	tons	150	*
Winter wheat	10	bushels	76,000,000	3.7
Corn for grain	10	bushels	205,800,000	2.6
Cotton, all	11	bales	314,000	2.0
Grapes, all	12	tons	1,300	*
Tobacco, all	13	pounds	5,928,000	0.4
Apples (commercial)	21	pounds	41,000,000	0.4
Alfalfa hay	21	tons	1,440,000	1.7
Corn silage	22	tons	1,170,000	1.3
Oats	24	bushels	2,226,000	0.6
Peaches	27	pounds	700,000	*
Livestock & Livestock Products				
Cattle operations	2	number	82,000	6.4
Calf crop	2	head	2,070,000	5.2
All cows 1/	2	head	2,270,000	5.2
Beef cows 1/	2	head	2,040,000	6.1
Beef cow operations	2	number	67,000	7.2
Hog operations	2	number	16,000	5.8
Turkeys raised	5	head	18,000,000	6.4
Milk cow operations	5	number	8,000	4.1
Cattle & calves 1/	7	head	4,500,000	4.5
American cheese production	7	pounds	70,874,000	2.5
Hogs & pigs 2/	7	head	2,800,000	5.1
Butter production	10	pounds	15,416,000	1.2
Milk cows 1/	11	head	230,000	2.3
Milk production	11	pounds	3,040,000,000	2.1
Sheep operations	11	number	3,400	3.1
Egg production	13	millions	1,580	2.3
All chickens 3/	14	head	8,000,000	2.3
Red meat production	15	pounds	677,353,000	1.8
Wool production	19	pounds	876,000	1.0
Cattle & calves on feed 1/	20	head	105,000	0.8
Ice cream (hard & soft) production	20	gallons	13,460,000	1.7
Sheep & lambs 1/	22	head	134,000	1.2
Honey production	25	pounds	1,890,000	1.0

* Less than 0.1%
1/ Inventory on hand January 1, 1991.
2/ Inventory on hand December 1, 1990.
3/ Inventory on hand December 1, 1990 (excludes commercial broilers).

POPULATION:

BY COUNTIES, MISSOURI, 1990

COUNTY	1990	1980	1990/80 Percent Change
Adair	24,577	24,870	-1.2
Andrew	14,632	13,980	4.7
Atchison	7,457	8,605	-13.3
Audrain	23,599	26,458	-10.8
Barry	27,547	24,408	12.9
Barton	11,312	11,292	0.2
Bates	15,025	15,873	-5.3
Benton	13,859	12,183	13.8
Bollinger	10,619	10,301	3.1
Boone	112,379	100,376	12.0
Buchanan	83,083	87,888	-5.5
Butler	38,765	37,693	2.8
Caldwell	8,380	8,660	-3.2
Callaway	32,809	32,252	1.7
Camden	27,495	20,017	37.4
Cape Girardeau	61,633	58,837	4.8
Carroll	10,748	12,131	-11.4
Carter	5,515	5,428	1.6
Cass	63,808	51,029	25.0
Cedar	12,093	11,894	1.7
Chariton	9,202	10,489	-12.3
Christian	32,644	22,402	45.7
Clark	7,547	8,493	-11.1
Clay	153,411	136,488	12.4
Clinton	16,595	15,916	4.3
Cole	63,579	56,663	12.2
Cooper	14,835	14,643	1.3
Crawford	19,173	18,300	4.8
Dade	7,449	7,383	0.9
Dallas	12,646	12,096	4.5
Daviess	7,865	8,905	-11.7
DeKalb	9,967	8,222	21.2
Dent	13,702	14,517	-5.6
Douglas	11,876	11,594	2.4
Dunklin	33,112	36,324	-8.8
Franklin	80,603	71,233	13.2
Gasconade	14,006	13,181	6.3
Gentry	6,848	7,887	-13.2
Greene	207,949	185,302	12.2
Grundy	10,536	11,959	-11.9
Harrison	8,469	9,890	-14.4
Henry	20,044	19,672	1.9
Hickory	7,335	6,367	15.2
Holt	6,034	6,882	-12.3
Howard	9,631	10,008	-3.8
Howell	31,447	28,807	9.2
Iron	10,726	11,084	-3.2
Jackson	633,232	629,266	0.6
Jasper	90,465	86,958	4.0
Jefferson	171,380	146,183	17.2
Johnson	42,514	39,059	8.8
Knox	4,482	5,508	-18.6
Laclede	27,158	24,323	11.7
Lafayette	31,107	29,931	3.9
Lawrence	30,236	28,973	4.4
Lewis	10,233	10,901	-6.1
Lincoln	28,892	22,193	30.2
Linn	13,885	15,495	-10.4
Livingston	14,592	15,739	-7.3
McDonald	16,938	14,917	13.5
Macon	15,345	16,313	-5.9
Madison	11,127	10,725	3.7
Maries	7,976	7,551	5.6
Marion	27,682	28,638	-3.3
Mercer	3,723	4,685	-20.5
Miller	20,700	18,539	11.7
Mississippi	14,442	15,726	-8.2
Moniteau	12,298	12,068	1.9
Monroe	9,104	9,716	-6.3
Montgomery	11,355	11,537	-1.6
Morgan	15,574	13,807	12.8
New Madrid	20,928	22,945	-8.8
Newton	44,445	40,555	9.6
Nodaway	21,709	21,996	-1.3
Oregon	9,470	10,238	-7.5
Osage	12,018	12,014	0.0
Ozark	8,598	7,961	8.0
Pemiscot	21,921	24,987	-12.3
Perry	16,648	16,784	-0.8
Pettis	35,437	36,378	-2.6
Phelps	35,248	33,633	4.8
Pike	15,969	17,568	-9.1
Platte	57,867	46,341	24.9
Polk	21,826	18,822	16.0
Pulaski	41,307	42,011	-1.7
Putnam	5,079	6,092	-16.6
Ralls	8,476	8,984	-5.7
Randolph	24,370	25,460	-4.3
Ray	21,971	21,378	2.8
Reynolds	6,661	7,230	-7.9
Ripley	12,303	12,458	-1.2
St. Charles	212,907	144,107	47.7
St. Clair	8,457	8,622	-1.9
St. Francois	48,904	42,600	14.8
St. Louis	993,529	974,177	2.0
Ste. Genevieve	16,037	15,180	5.6
Saline	23,523	24,913	-5.6
Schuyler	4,236	4,979	-14.9
Scotland	4,822	5,415	-11.0
Scott	39,376	39,647	-0.7
Shannon	7,613	7,885	-3.4
Shelby	6,942	7,826	-11.3
Stoddard	28,895	29,009	-0.4
Stone	19,078	15,587	22.4
Sullivan	6,326	7,434	-14.9
Taney	25,561	20,467	24.9
Texas	21,476	21,070	1.9
Vernon	19,041	19,806	-3.9
Warren	19,534	14,900	31.1
Washington	20,380	17,983	13.3
Wayne	11,543	11,277	2.4
Webster	23,753	20,414	16.4
Worth	2,440	3,008	-18.9
Wright	16,758	16,188	3.5
St. Louis City	396,685	452,804	-12.4
STATE	**5,117,073**	**4,916,766**	**4.1**

SOURCE: USDC, Bureau of the Census.

CROPS

1990 MISSOURI CROP SUMMARY

Nineteen-ninety began with soil moisture supplies in Missouri being at their lowest level for the date in several years. However, substantial precipitation during the first 3 months drastically changed the situation to the extent that by April 1 most areas had adequate to surplus moisture. The wet spring limited the acreage of oats sown, and corn planting was barely started by mid-April. By early June cotton planting was 2 weeks behind normal, corn planting was 5 weeks late and planting of soybeans and sorghum was running a month late. The wet weather prevented some intended corn acreage from being planted, while sorghum and single-crop soybean planting extended well into July, making 1990 the latest planting season since 1978.

The frequent rains of spring and early summer produced both positive and negative effects. Besides delaying fieldwork, the wet weather caused disease and scab problems in wheat and made haying difficult along with reduced quality of hay. However, the general rainfall helped crops to get started and provided a moisture reserve for later in the season. Weather was mostly favorable for crop growth and development except for a period of about 2 weeks in late August and early September when temperatures averaged several degrees above normal. Although the row crops were planted late, development of crops tended to partially catch up. By early October corn maturity was 2 weeks behind normal and soybean maturity was only a week later than average. An excellent harvesting season permitted farmers to complete corn and sorghum harvesting about 3 weeks ahead of normal and soybean harvesting about a month ahead of average. All row crops were 95 percent or more harvested by mid-November.

SOYBEANS: Missouri production of soybeans in 1990 totaled 125 million bushels, 2 percent more than the 1989 production and 11 percent more than in 1988. Farmers harvested 4.15 million acres out of the 4.20 million acres planted in Missouri. Yields in the state averaged 30 bushels per acre, 2 bushels above the 1989 yield and 3.5 bushels above 2 years earlier. The highest yield averages were in the northwestern, central and southeastern districts, while the southwestern district averaged the lowest. Missouri ranked fifth nationally in both harvested acres and production. The value of Missouri soybean production is estimated at $710 million, 4 percent more than the 1989 crop value, as both production and price per bushel increased slightly.

CORN: Production in 1990 totaled 206 million bushels, 6 percent smaller than the 1989 production, but 34 percent larger than the 1988 crop. Yields in the state averaged 105 bushels, 9 bushels above a year earlier and 29 bushels above the poor 1988 average. As usual, corn yields in the southeast were distinctly higher than in other areas of the state due to irrigation. Corn for grain was harvested from 1.96 million acres and silage was cut on 90,000 acres out of the 2.10 million acres planted in Missouri. The total value of grain production is estimated at $484 million, 8 percent less than the 1989 crop value. Corn silage production totaled 1.17 million tons, 4 percent more than in 1989. Acres utilized for silage held unchanged from the previous year at 90,000. The state average silage yield at 13.0 tons was up one-half ton from the 1989 yield.

WINTER WHEAT: Production in 1990 totaled 76.0 million bushels, 13 percent smaller than the 1989 wheat crop. Yield per acre was 38 bushels, down 9 bushels from a year earlier and 11 bushels below the record high of 1988. Of the total 2.15 million acres seeded, there were 2.00 million acres harvested for grain, 8 percent more than in 1989. Total value of the 1990 wheat crop is estimated at $205 million, 37 percent below the 1989 value due to both lower prices and lower production.

SORGHUM GRAIN: The 1990 production in Missouri totaled 42.6 million bushels, 5 percent below the previous year's production. Of the 550,000 acres planted in the state, 520,000 were harvested for grain. Missouri yields averaged 82 bushels per acre, 6 bushels above a year earlier and 1 bushel above the 1988 average. Total value of sorghum harvested for grain is estimated at $93.0 million, 4 percent less than the 1989 crop value. Sorghum silage production amounted to 220,000 tons, a 46 percent increase from a year earlier. The average yield was 11.0 tons per acre, up from 10.0 tons in 1989, while acres harvested for silage increased from 15,000 in 1989 to 20,000 in 1990.

COTTON: Production in 1990 totals 314,000 bales, up 17 percent from the 1989 crop. Farmers harvested 235,000 acres, 12 percent more than in the previous year. The state yield of 641 pounds is 23 pounds above the 1989 average and up 34 pounds from 1988. Value of the state's cotton lint is estimated at $98.4 million, up 18 percent from the 1989 crop value. Cottonseed production totaled 124,000 tons, 19 percent more than a year earlier. Value of cottonseed is estimated at $13.3 million, 34 percent more than the previous year's cottonseed value.

RICE: Production in Missouri in 1990 totaled 3.76 million hundredweight, 8 percent less than in 1989. Of the 92,000 planted acres, 80,000 were harvested, 1 percent more than the 1989 harvested acreage. The state average yield of 4,700 pounds per acre is down from 5,200 pounds a year earlier and 5,100 pounds in 1988.

TOBACCO: Production is estimated at 5.93 million pounds, 9 percent more than a year earlier. The 2,600 acres harvested produced a yield of 2,280 pounds per harvested acre, up 100 pounds from the 1989 yield. Missouri tobacco is valued at $10.3 million, 17 percent more than the 1989 crop.

POTATOES: Missouri production totaled 957,000 hundredweight. The 5,800 acres harvested produced an average yield of 165 hundredweight per acre. About 87 percent of the Missouri production was used for processing. Total value for the 1990 potato crop is estimated at $6.08 million.

HAY: The state's production totaled 6.87 million tons in 1990, up 1 percent from 1989. Yields averaged 1.92 tons per acre, compared with 1.81 tons a year earlier. Hay was cut on 3.58 million acres, down 4 percent from a year earlier. Acres of alfalfa were down 9 percent at 480,000, while alfalfa yields averaged 3.00 tons, up from 2.80 tons in 1989. Production of alfalfa declined 3 percent to 1.44 million tons. Acreage of all other hay totaled 3.1 million acres, 3 percent less than a year earlier. Yields for other hay averaged 1.75 tons, compared with 1.65 tons in 1989. Other hay production totaled 5.43 million tons, up 3 percent from a year earlier.

MISSOURI CROP PRODUCTION, 1989-90

Crop	Unit	Acres Harvested 1989	Acres Harvested 1990	Yield per Acre 1989	Yield per Acre 1990	Production 1989	Production 1990
		-thous. ac.-		-bu.-		-thous.-	
Corn for Grain	bu.	2,290	1,960	96.0	105.0	219,840	205,800
Corn for Silage	ton	90	90	12.5	13.0	1,125	1,170
Sorghum for Grain	bu.	570	520	79.0	82.0	45,030	42,640
Sorghum for Silage	ton	15	20	10.0	11.0	150	220
Soybeans	bu.	4,350	4,150	28.0	30.0	121,800	124,500
Winter Wheat	bu.	1,850	2,000	47.0	38.0	86,950	76,000
Oats	bu.	60	42	60.0	53.0	3,600	2,226
All Rice 1/	cwt.	79	80	5,200	4,700	4,108	3,760
Long Grain 1/	cwt.	78	79	5,200	4,700	4,056	3,713
Medium Grain 1/	cwt.	1	1	5,200	4,700	52	47
Potatoes 1/	cwt.	NA	5.8	NA	165	NA	957
Cotton 2/	bale	209	235	618	641	269	314
Cottonseed	ton	---	---	---	---	104.0	124.0
Tobacco 3/	lb.	2.5	2.6	2,180	2,280	5,450	5,928
All Hay 4/	ton	3,730	3,580	1.81	1.92	6,764	6,865
Alfalfa Hay	ton	530	480	2.80	3.00	1,484	1,440
All Other Hay	ton	3,200	3,100	1.65	1.75	5,280	5,425
Apples 5/	lb.	---	---	---	---	54,000	41,000
Peaches 5/	lb.	---	---	---	---	4,500	700
Grapes 6/	ton	---	---	---	---	3.60	1.30

1/ Yield in pounds, production in hundredweight.
2/ Yield in pounds, production in 480-pound bales.
3/ Yield and production in pounds.
4/ Yield and production in tons.
5/ Utilized production in pounds.
6/ Utilized production in tons.

VALUE OF MISSOURI CROP PRODUCTION, 1989-90

CROP	UNIT	Average Value per Unit 1989	Average Value per Unit 1990	Value of Production 1989	Value of Production 1990
		-dollars-		-thousand dollars-	
Corn	bu.	2.38	2.35	523,219	483,630
Grain Sorghum	bu.	2.16	2.18	97,265	92,955
Soybeans	bu.	5.60	5.70	682,080	709,650
Winter Wheat	bu.	3.72	2.70	323,454	205,200
Oats	bu.	1.65	1.20	5,940	2,671
All Rice 1/	cwt.	7.54	6.50	30,974	24,440
Potatoes	cwt.	NA	6.35	NA	6,077
All Hay	ton	73.50	64.50	497,154	442,793
Cotton	lb.	.647	.653	83,541	98,420
Cottonseed	ton	95.00	107.00	9,880	13,268
Tobacco	lb.	1.625	1.742	8,856	10,327
Apples 2/	lb.	.136	.165	7,343	6,765
Peaches 2/	lb.	.270	.300	1,215	210
Grapes 2/	ton	348.00	354.00	1,251	460
Total Crops 3/	---	---	---	2,274,387	2,096,866

1/ U.S. price used for current year.
2/ Value of utilized production.
3/ Total value of principal crops.

CROP RECORDS FOR MISSOURI:

Acreage, Yield, Production

Crop	Date Series Began	Record	Acreage Harvested	Year 1/	Yield Per Acre	Year 1/	Total Production	Year 1/	Unit
			-thousands-				-thousands-		
Corn	1919	High	5,993	1925	116.0	1985	280,720	1985	bu.
for Grain 2/		Low	1,430	1983	9.3	1934	14,145	1934	bu.
Corn	1919	High	667	1954	14.0	1987	2,822	1953	tons
for Silage		Low	32	1926	2.7	1934	198	1935	tons
Soybeans	1924	High	5,830	1979	34.5	1985	183,645	1979	bu.
for Beans		Low	44	1925	5.0	1936	225	1936	bu.
Sorghum	1929	High	1,410	1985	85.0	1987	117,030	1985	bu.
for Grain 3/		Low	23	1951	6.4	1936	167	1936	bu.
Sorghum	1929	High	144	1957	13.0	1981	1,408	1958	tons
for Silage		Low	8	1929	4.1	1936	46	1929	tons
Winter Wheat 4/	1909	High	4,565	1919	49.0	1988	115,500	1981	bu.
		Low	570	1986	8.5	1916	9,035	1942	bu.
Oats	1866	High	2,250	1943	60.0	1989	59,427	1942	bu.
		Low	32	1978	10.0	1901	1,280	1978	bu.
Cotton 5/	1879	High	600	1949	796.0	1987	508	1959	bales
		Low	32	1879	127.0	1895	12	1895	bales
Rice (All)	1924	High	82	1988	5,400	1987	4,182	1988	cwt.
		Low	1	1924	1,125	1927	22	1924	cwt.
Tobacco	1866	High	29.0	1877	2,600.0	1970	28,420	1876	lbs.
		Low	1.8	1987	505.0	1887	2,340	1918	lbs.
All Hay	1909	High	3,914	1945	1.99	1968	**6,864**	**1990**	tons
		Low	2,442	1937	.51	1911	1,567	1911	tons
Alfalfa Hay	1924	High	850	1969	3.10	1968	2,493	1967	tons
		Low	120	1930	1.50	1936	216	1930	tons
All other Hay	1924	High	3,600	1945	1.75	1985	**5,425**	**1990**	tons
		Low	1,982	1959	.53	1934	1,402	1936	tons
Cottonseed	1879	High	---	---	---	---	213	1948	tons
		Low	---	---	---	---	5	1895	tons
Apples	1934	High	---	---	---	---	116,592	1937	lbs.
Commercial		Low	---	---	---	---	17,934	1936	lbs.
Peaches	1899	High	---	---	---	---	192,000	1906	lbs.
		Low	---	---	---	---	6/	1985	lbs.
Grapes	1909	High	---	---	---	---	11.2	1931	tons
		Low	---	---	---	---	.9	1985	tons

1/ These are the latest years that records were achieved. In some cases these records were equaled in several earlier years.
2/ Between 1866 and 1919, corn for grain was included in all corn estimates.
3/ Between 1919 and 1929, sorghum for grain was included in all sorghum estimates.
4/ Between 1866 and 1909, winter wheat was included in all wheat estimates.
5/ Yield measured in pounds.
6/ No significant commercial production due to frost.

1990 WEATHER IN REVIEW

The new year began with soil moisture supplies at their lowest level for early January in many years. Livestock water supplies were also short in many northern, southwestern and south-central counties. However, rainfall beginning in mid-January and continuing periodically into the spring virtually eliminated soil moisture shortages by mid April.

Fieldwork began later than usual and became progressively further behind normal as a result of frequent rain. At the end of April corn planting progress was a week later than normal. Rainfall for May averaged 9.35 inches, more than double the long term average for the month. By the end of May only slightly more than half of the corn was in the ground, and sorghum and single-crop soybean planting were just getting started, all nearly a month behind normal progress. Pastures and hay crops were making excellent growth.

Rainfall continued to be plentiful in June except in the southeastern counties, which were becoming dry by the end of the month. Planting progress improved in June, but more than 10 percent of the intended corn acreage was shifted to other crops or placed in government reserve due to the late season. Early crop plantings were held back by cool, wet soils and insufficient sunshine, and some corn fields were replanted. Warmer weather along with ample moisture helped later crop plantings to get started well. The wheat crop had come into spring in fair to good condition, but the frequent wet weather of April, May and June spurred the development of disease. Loss of wheat yield potential was expected by early June and became evident when harvest began.

July weather began with above normal temperatures, but was cooler than normal for most of the month. The northern half of the state received adequate rain, while many southern counties were short of moisture during July. The wheat harvest, which was over a week later than normal in getting started, was virtually complete by the third week of July. Row crop development was well behind normal as a result of late planting. The predominate condition of most crops was fair, while pastures were fair to good.

Cooler than normal temperatures during the first half of August helped to minimize the effects of the below normal rainfall in most areas during the month. Row crop development was not as far behind normal during August as it had been earlier in the season, but corn, sorghum and soybeans were still nearly 3 weeks behind average at the end of the month. Condition of crops improved and was mostly fair to good with the southeastern area showing the lowest ratings. Pastures held up well during most of August except in some southern counties which were short of moisture.

The weather turned hot and dry in late August and the first half of September, causing stress to crops and pastures. Rain and cooler temperatures in mid-August were of benefit to the late row crops. Development continued behind normal, but by the end of September over 90 percent of the corn had reached maturity, only 9 days later than average. The maturing process for soybeans and sorghum was just 5 days behind average, while cotton had caught up to normal. About 28 percent of the corn, 5 percent of the soybeans, 12 percent of the sorghum and 11 percent of the cotton were harvested by September 30.

The rains of early October caused some delay of harvesting, but provided moisture for late pasture growth and winter wheat seeding. Harvesting progress moved ahead rapidly from mid to late October. With over 80 percent of the corn and 70 percent of the soybeans harvested by the end of the month, progress had caught up to the 5-year average for these crops. Sorghum harvesting at 70 percent complete was still a week behind average, while the cotton harvest at 73 percent complete was a few days behind normal due to heavy rains in the Bootheel around mid-month.

Favorable harvesting weather continued during November. Row crop harvesting was nearly 95 percent complete by mid-November, and reached virtual completion by the end of the month, sharply ahead of normal. Farmers also completed winter wheat seeding over a week ahead of normal. Pastures finished the growing season in mostly fair to good condition with some growth available for winter grazing.

The above normal precipitation of 4.6 inches during December resulted in an end of the year topsoil moisture rating of 5 percent short, 67 percent adequate and 28 percent surplus, a sharp improvement from the past 2 years on the same date. Hay supplies for the winter were reported as well above normal except in the southern third of the state where moisture shortages in the spring lowered yields and caused some shortages. Livestock water supplies were generally adequate, with shortages mostly confined to a few northwestern and west-central counties.

Precipitation in the state during 1990 averaged 51.1 inches, up sharply from the 34.1 inches in 1989 and 12 inches above the 30 year average. Several southern counties recorded over 60 inches of precipitation, and Camden County totaled over 70 inches. In contrast, several extreme northern counties received less than 40 inches of rain, with Nodaway County showing the lowest total at 32.7 inches.

CLIMATOLOGICAL DATA:

Precipitation, Snowfall and Average Temperatures, Selected Weather Stations, by Months, Missouri, 1990

Precipitation

Weather Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-inches of water-						
Maryville	1.24	1.08	5.91	1.77	5.38	5.41	4.33	2.38	1.30	1.79	2.54	M
Brookfield	1.19	2.66	3.29	4.29	5.64	5.30	5.69	3.73	3.07	2.63	3.26	2.02
Kirksville	M	1.75	4.18	2.30	5.72	6.78	3.92	2.17	1.60	1.88	3.22	M
Hannibal	1.26	5.36	4.28	2.48	7.36	4.48	5.78	2.14	2.02	2.10	2.82	4.08
Kansas City 1/	1.20	2.11	3.90	2.47	7.36	6.27	4.40	5.04	1.28	2.46	3.01	1.11
Columbia 1/	1.97	3.86	7.22	2.84	10.51	7.20	6.00	3.95	0.93	2.58	3.07	3.49
St. Louis 1/	1.42	3.53	2.66	3.07	9.59	3.02	3.34	2.84	0.78	4.96	3.36	6.52
Clinton	2.72	3.74	4.84	M	M	M	M	4.06	1.41	2.71	2.02	1.77
Rolla	3.20	4.13	3.77	4.33	11.06	4.31	6.58	2.49	2.96	5.45	3.59	7.17
Springfield	5.26	5.68	7.87	2.51	13.41	4.66	3.01	1.46	5.84	5.02	2.41	6.06
Poplar Bluff	5.39	7.67	4.47	4.13	5.60	1.24	1.45	1.75	3.72	5.08	4.20	10.11

Snowfall

Weather Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-inches of snow-						
Maryville	3.0	3.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
Brookfield	3.7	M	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	M
Kirksville	4.0	M	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	M
Hannibal	3.5	M	M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	M
Kansas City 1/	1.0	2.1	9.6	0.0	T	0.0	0.0	0.0	0.0	0.0	1.7	1.6
Columbia 1/	0.7	6.3	8.8	0.0	T	T	0.0	0.0	0.0	0.0	0.2	6.1
St. Louis 1/	0.2	6.9	8.4	T	T	T	0.0	0.0	0.0	0.0	T	13.2
Clinton	2.8	3.0	4.3	M	0.0	M	0.0	0.0	0.0	0.0	0.0	0.6
Rolla	T	6.3	3.7	T	0.0	0.0	0.0	0.0	0.0	0.0	T	10.7
Springfield	0.9	8.5	0.7	T	T	T	T	0.0	0.0	0.0	T	8.2
Poplar Bluff	T	0.0	M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average Temperatures

Weather Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-degrees Fahrenheit-						
Maryville	33.4	32.2	41.8	49.7	57.5	72.2	75.5	73.7	69.1	52.2	45.6	25.2
Brookfield	38.7	37.6	46.9	54.6	60.2	74.1	76.9	75.8	71.2	56.9	44.7	29.2
Kirksville	36.5	35.6	44.5	51.9	58.9	73.1	75.1	74.6	70.2	55.0	47.5	27.4
Hannibal	37.1	36.0	44.8	51.8	59.2	73.1	75.6	74.7	70.0	54.3	49.3	30.7
Kansas City 1/	37.9	36.2	45.7	52.7	60.4	75.5	77.3	77.1	72.1	57.1	50.1	29.3
Columbia 1/	39.5	38.3	46.3	53.1	59.5	73.2	75.5	75.2	70.6	55.3	50.3	31.7
St. Louis 1/	42.9	41.3	49.8	55.7	63.6	77.2	80.2	77.9	74.1	58.1	52.7	34.7
Clinton	36.0	34.9	43.5	M	55.1	M	78.0	75.9	71.9	54.8	51.5	31.7
Rolla	40.8	40.6	47.9	54.6	61.5	74.5	77.3	75.4	72.0	55.7	52.4	34.4
Springfield	41.3	42.0	48.2	54.8	61.9	75.1	77.2	77.1	72.5	55.9	52.2	34.9
Poplar Bluff	40.9	44.2	50.2	56.5	63.7	76.9	80.4	77.0	73.5	56.0	51.2	38.8

T-Trace M-Missing Data 1/Airport

Source: United States Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Data and Information Service.

USUAL PLANTING AND HARVESTING DATES,

By Crop and Principal Producing Areas, Missouri

CROP	USUAL PLANTING DATES	USUAL HARVESTING DATES BEGIN	MOST ACTIVE	END	PRINCIPAL PRODUCING AREAS AND COUNTIES
CORN:					
GRAIN	APR 10 - JUN 10	SEP 5	SEP 25 - NOV 15	DEC 20	STATEWIDE
SILAGE	APR 10 - JUN 10	AUG 15	AUG 25 - SEP 15	SEP 25	STATEWIDE
FORAGE	APR 10 - JUN 10	AUG 15	AUG 25 - SEP 15	SEP 25	STATEWIDE
COTTON:	APR 20 - JUN 1	SEP 20	OCT 1 - NOV 15	DEC 15	SOUTHEAST
HAY:					
ALFALFA		MAY 20		SEP 10	STATEWIDE
OTHER		MAY 20		SEP 20	STATEWIDE
OATS:	MAR 1 - APR 25	JUN 15	JUN 25 - JUL 15	JUL 25	STATEWIDE
RICE:	APR 15 - MAY 30	AUG 25	SEP 1 - OCT 1	OCT 25	SOUTHEAST
SORGHUM:					
GRAIN	MAY 1 - JUL 1	SEP 10	SEP 25 - OCT 25	DEC 10	STATEWIDE
SILAGE	MAY 5 - JUL 1	AUG 15	AUG 25 - SEP 15	OCT 20	STATEWIDE
SOYBEANS:	MAY 1 - JUL 10	SEP 15	OCT 5 - NOV 15	DEC 15	STATEWIDE
TOBACCO:	MAY 15 - JUN 10	AUG 20	AUG 25 - SEP 15	SEP 25	PLATTE, BUCHANAN
WHEAT:	SEP 20 - NOV 20	JUN 10	JUN 20 - JUL 10	JUL 20	STATEWIDE

GROWING DEGREE DAYS 1/

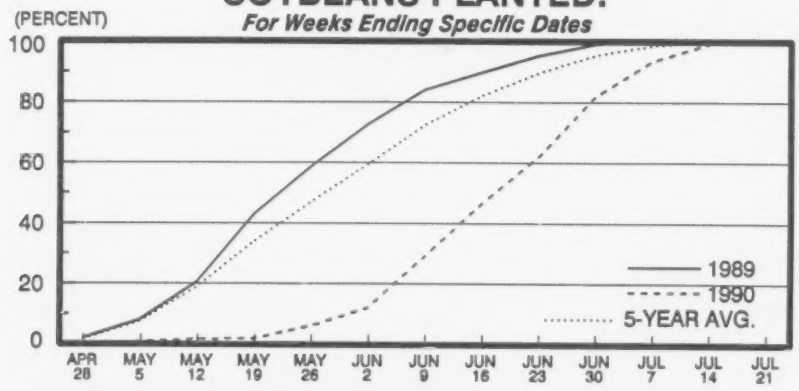
Weather Station	1987	1988	1989	1990	1990 Departure From Long Term Average
St. Joseph	3,727	3,787	3,472	3,578	-2
Kirksville	3,611	3,687	3,259	3,323	+4
Quincy, IL	3,593	3,598	3,274	3,255	-106
Kansas City	3,808	3,898	3,465	3,578	+50
Columbia	3,691	3,672	3,307	3,389	-87
St. Louis	4,064	4,101	3,740	3,856	+206
Nevada	3,711	3,815	3,357	3,517	-303
Springfield	3,776	3,675	3,401	3,621	-71
Cairo, IL	4,382	3,861	3,736	3,784	-354
Caruthersville	4,076	3,843	3,786	3,876	-225

1/Growing degree days are calculated by subtracting a 50-degree (Fahrenheit) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 growing degree days will have been accumulated.

1987: Accumulated from April 1 to Sept. 26.
1988: Accumulated from April 1 to Oct. 1.
1989: Accumulated from April 1 to Oct. 1.
1990: Accumulated from April 1 to Sept. 29.

SOYBEANS PLANTED:

For Weeks Ending Specific Dates

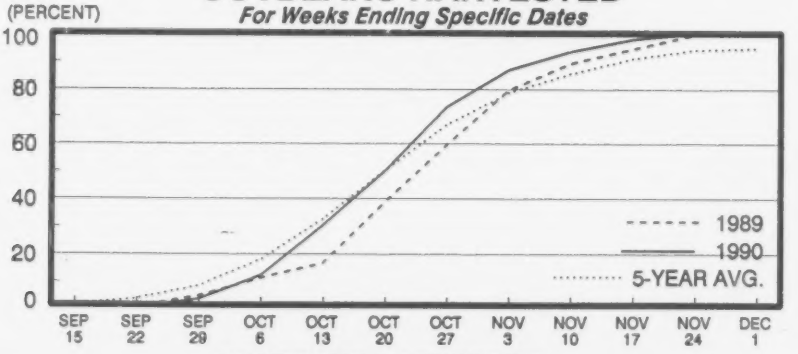


SOYBEANS PLANTED:
For Weeks Ending Specific Dates, Missouri 1986-90

YEAR	28-Apr	05-May	12-May	19-May	26-May	2-Jun	9-Jun	16-Jun	23-Jun	30-Jun	7-Jul	14-Jul	21-Jul
							-percent-						
1986	3.7	9.7	20.6	25.1	34.1	49.3	65.3	80.6	90.9	96.4	99.1	100.0	100.0
1987	1.7	9.4	25.1	48.7	66.4	78.7	89.7	95.7	100.0	100.0	100.0	100.0	100.0
1988	2.0	9.6	26.7	51.3	70.0	84.6	93.9	98.3	100.0	100.0	100.0	100.0	100.0
1989	2.2	8.3	20.7	42.9	58.6	72.7	84.1	89.9	95.3	99.1	100.0	100.0	100.0
1990	0.0	0.9	1.9	2.0	6.3	12.1	29.3	46.6	61.9	82.0	93.6	99.3	100.0
5 year Average	1.9	7.6	19.0	34.0	47.1	59.5	72.5	82.2	89.6	95.5	98.5	99.9	100.0

SOYBEANS HARVESTED

For Weeks Ending Specific Dates

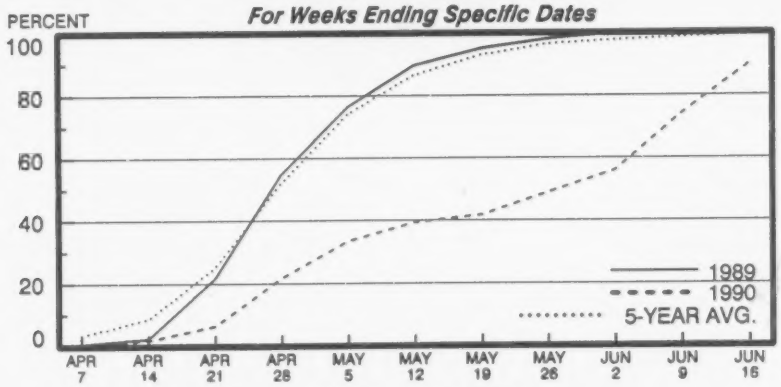


SOYBEANS HARVESTED:
For Weeks Ending Specific Dates, Missouri 1986-90

YEAR	15-Sep	22-Sep	29-Sep	6-Oct	13-Oct	20-Oct	27-Oct	3-Nov	10-Nov	17-Nov	24-Nov	1-Dec
						-percent-						
1986	2.4	5.3	7.1	9.0	15.7	22.0	35.3	44.0	51.7	63.1	70.3	72.6
1987	3.6	6.4	15.1	35.7	60.4	77.4	87.7	93.7	98.6	100.0	100.0	100.0
1988	1.0	4.3	10.6	20.3	39.3	61.4	76.9	87.1	93.3	97.9	100.0	100.0
1989	0.0	0.0	3.1	11.9	30.0	49.6	72.9	86.4	93.3	97.9	99.7	100.0
1990	0.0	0.4	4.4	11.0	16.3	38.4	59.1	79.1	88.9	94.3	99.3	100.0
5 year Average	1.4	3.3	8.1	17.6	32.3	49.8	66.4	78.1	85.1	90.6	93.9	94.5

CORN PLANTED

For Weeks Ending Specific Dates

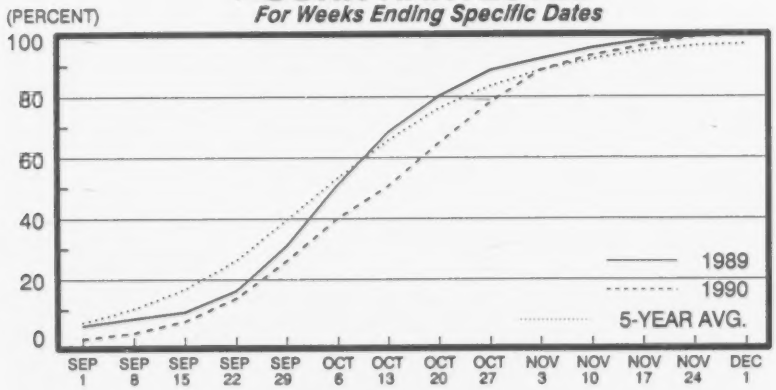


CORN PLANTED:
For Weeks Ending Specific Dates, Missouri 1986-90

YEAR	7-Apr	14-Apr	21-Apr	28-Apr	5-May	12-May	19-May	26-May	2-Jun	9-Jun	16-Jun
						-percent-					
1986	10.0	16.4	33.1	49.3	71.3	85.4	88.1	89.2	90.9	93.0	96.5
1987	2.7	7.9	13.7	35.3	70.0	84.0	95.7	100.0	100.0	100.0	100.0
1988	2.9	11.2	34.5	61.0	79.5	89.7	95.1	98.7	99.9	100.0	100.0
1989	0.7	2.4	21.6	54.7	76.4	89.6	95.1	98.1	99.7	100.0	100.0
1990	0.5	1.9	6.3	21.6	33.4	39.3	41.7	48.9	56.0	74.1	83.9
5 year Average	**3.5**	**8.6**	**25.2**	**52.1**	**74.1**	**86.5**	**93.0**	**96.4**	**97.7**	**98.6**	**99.3**

CORN HARVESTED

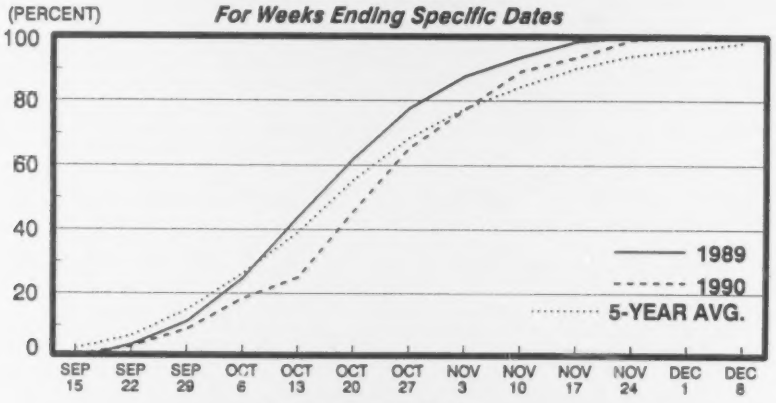
For Weeks Ending Specific Dates



CORN HARVESTED:
For Weeks Ending Specific Dates, Missouri 1986-90

YEAR	1-Sep	8-Sep	15-Sep	22-Sep	29-Sep	6-Oct	13-Oct	20-Oct	27-Oct	3-Nov	10-Nov	17-Nov	24-Nov	1-Dec
							-percent-							
1986	8.6	13.1	21.3	29.6	33.1	35.3	44.7	55.9	61.7	66.6	71.4	80.6	84.3	86.1
1987	10.7	17.6	26.3	37.1	54.6	70.3	83.3	90.4	94.9	97.9	100.0	100.0	100.0	100.0
1988	5.1	11.1	20.4	33.8	52.9	69.7	82.1	89.6	93.7	98.0	99.8	100.0	100.0	100.0
1989	4.9	7.4	9.4	16.4	31.1	51.0	68.4	80.1	88.7	92.4	95.9	98.4	99.7	100.0
1990	0.7	2.6	6.4	13.9	26.1	40.0	50.6	64.9	78.1	88.6	93.4	96.6	99.6	100.0
5 year Average	**6.0**	**10.4**	**16.8**	**26.2**	**39.6**	**53.3**	**65.8**	**76.2**	**83.4**	**88.7**	**92.1**	**95.1**	**96.7**	**97.2**

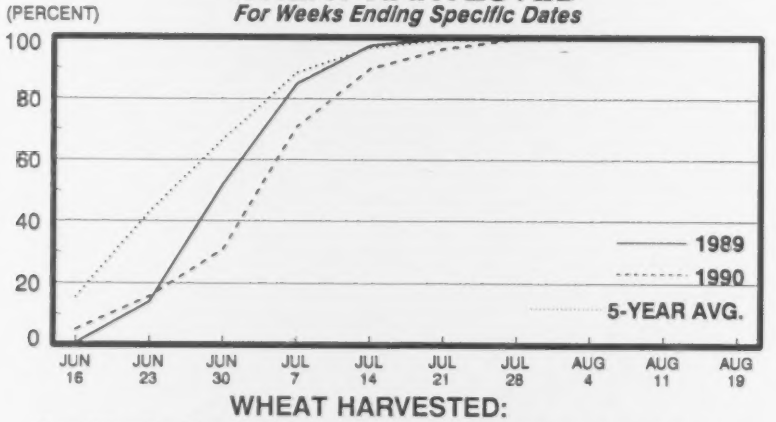
WHEAT SEEDED



WHEAT SEEDED:
For Weeks Ending Specific Dates, Missouri 1986-90

YEAR	15-Sep	22-Sep	29-Sep	6-Oct	13-Oct	20-Oct	27-Oct	3-Nov	10-Nov	17-Nov	24-Nov	1-Dec	8-Dec
							-percent-						
1986	3.4	6.6	10.0	10.9	17.3	26.9	39.3	47.4	51.4	61.4	71.4	81.2	91.0
1987	4.6	8.9	22.3	42.3	59.0	76.6	84.4	90.0	96.4	100.0	100.0	100.0	100.0
1988	6.2	12.3	23.3	34.9	50.9	66.0	76.4	86.1	91.9	98.0	100.0	100.0	100.0
1989	0.0	4.1	11.4	24.7	44.0	62.1	77.7	87.7	93.6	98.6	100.0	100.0	100.0
1990	1.0	3.7	9.1	18.6	25.1	45.7	65.3	77.4	89.3	93.6	99.1	100.0	100.0
5 year Average	**3.0**	**7.1**	**15.2**	**26.3**	**39.3**	**55.5**	**68.6**	**77.7**	**84.5**	**90.3**	**94.1**	**96.2**	**98.2**

WHEAT HARVESTED

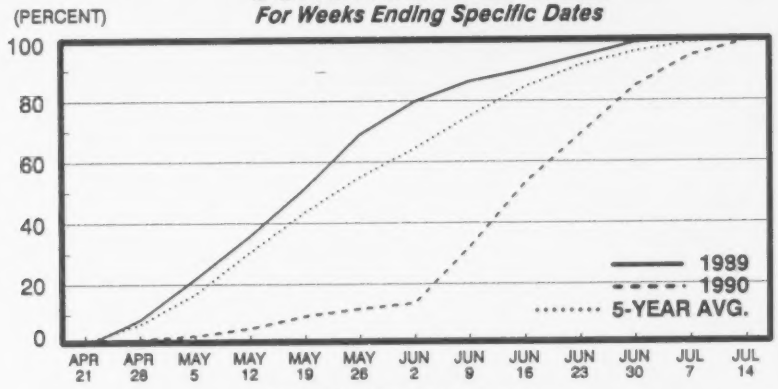


WHEAT HARVESTED:
For Weeks Ending Specific Dates, Missouri 1986-90

YEAR	16-Jun	23-Jun	30-Jun	7-Jul	14-Jul	21-Jul	28-Jul	4-Aug	11-Aug	18-Aug
					-percent-					
1986	12.0	62.4	79.3	93.7	98.5	100.0	100.0	100.0	100.0	100.0
1987	40.1	73.1	88.9	96.6	98.6	100.0	100.0	100.0	100.0	100.0
1988	19.9	50.7	83.1	97.0	99.7	100.0	100.0	100.0	100.0	100.0
1989	0.7	13.9	51.9	85.0	97.3	99.7	100.0	100.0	100.0	100.0
1990	5.0	15.7	30.7	70.7	89.9	96.3	99.6	100.0	100.0	100.0
5 year Average	**15.5**	**43.2**	**66.8**	**88.6**	**96.8**	**99.2**	**99.9**	**100.0**	**100.0**	**100.0**

SORGHUM PLANTED

For Weeks Ending Specific Dates

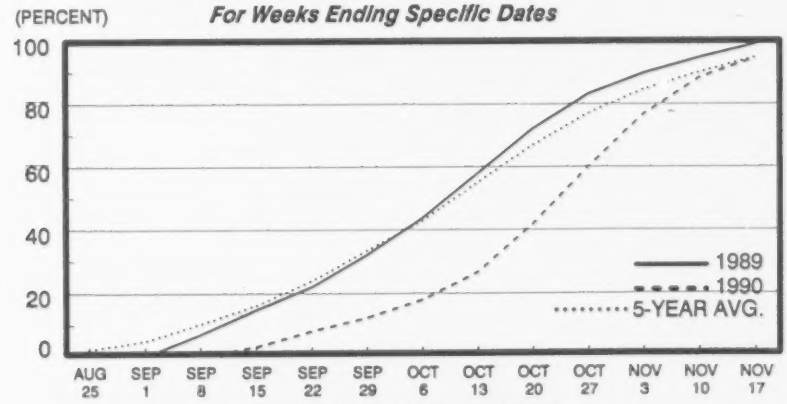


SORGHUM PLANTED
For Weeks Ending Specific Dates, Missouri 1986-90

YEAR	21-Apr	28-Apr	5-May	12-May	19-May	26-May	2-Jun	9-Jun	16-Jun	23-Jun	30-Jun	07-Jul	14-Jul
							-percent-						
1986	2.7	8.7	21.4	37.1	45.0	52.4	62.7	74.6	85.6	95.3	97.5	100.0	100.0
1987	0.9	6.7	19.1	33.6	54.0	67.7	80.1	90.0	96.4	100.0	100.0	100.0	100.0
1988	1.0	8.0	18.6	40.6	58.7	73.7	85.9	92.6	97.6	99.7	100.0	100.0	100.0
1989	0.0	8.4	21.7	36.0	51.4	68.9	79.7	86.3	90.1	94.6	98.9	100.0	100.0
1990	0.0	2.0	3.0	5.6	9.4	11.7	13.7	32.0	53.0	68.9	84.7	94.7	99.4
5 year Average	0.9	6.8	16.8	30.6	43.7	54.9	64.4	75.1	84.5	91.7	96.2	98.9	99.9

SORGHUM HARVESTED

For Weeks Ending Specific Dates



SORGHUM HARVESTED:
For Weeks Ending Specific Dates, Missouri 1986-90

YEAR	25-Aug	1-Sep	8-Sep	15-Sep	22-Sep	29-Sep	6-Oct	13-Oct	20-Oct	27-Oct	3-Nov	10-Nov	17-Nov
							-percent-						
1986	4.7	9.6	13.7	19.1	26.7	31.1	33.6	44.1	52.3	60.9	66.4	70.6	80.6
1987	6.3	14.9	24.6	33.0	42.0	56.3	70.7	82.6	90.4	94.6	96.6	98.6	100.0
1988	0.0	0.0	6.0	10.9	20.6	35.4	48.6	64.1	77.6	86.7	93.3	97.9	99.7
1989	0.0	0.0	7.0	14.7	22.0	31.9	43.6	57.7	72.0	83.1	89.6	94.6	98.9
1990	0.0	0.0	0.0	3.1	8.0	12.2	17.8	26.4	41.7	59.9	76.7	88.1	94.3
5 year Average	2.2	4.9	10.3	16.2	23.8	33.4	42.9	55.0	66.8	77.0	84.5	89.9	94.7

FIELD CROPS:

Corn : Acreage, Yield, Production and Value, Missouri, 1986-90

Crop Year	All Corn			Harvested for Grain		
	Planted	Harvested	Abandoned 1/	Acres	Yield Per Acre	Production
		-thousand- acres-		-thousands-	-bushels-	-thous bushels-
1986	2,550	2,500	50	2,420	116.0	280,720
1987	2,250	2,230	20	2,150	113.0	242,950
1988	2,200	2,170	30	2,020	76.0	153,520
1989	2,400	2,380	20	2,290	96.0	219,840
1990	**2,100**	**2,050**	**50**	**1,960**	**105.0**	**205,800**

Crop Year	Value of Corn for Grain 2/		Harvested for Silage		
	Per Bushel	Total	Acres	Yield per acre	Production
	-dollars-	-thous dol-	-thousands-	-tons-	-thousand tons-
1986	1.45	407,044	80	13.5	1,080
1987	1.82	442,169	80	14.0	1,120
1988	2.63	403,758	150	8.0	1,200
1989	2.38	523,219	90	12.5	1,125
1990	**2.35**	**483,630**	**90**	**13.0**	**1,170**

Sorghum: Acreage, Yield, Production and Value, Missouri, 1986-90

Crop Year	All Sorghum			Harvested for Grain		
	Planted	Harvested	Abandoned 1/	Acres	Yield Per Acre	Production
		-thousand- acres-		-thousands-	-bushels-	-thous bushels-
1986	1,200	1,150	50	1,140	81.0	92,340
1987	720	710	10	690	85.0	58,650
1988	500	480	20	470	81.0	38,070
1989	600	585	15	570	79.0	45,030
1990	**550**	**540**	**10**	**520**	**82.0**	**42,640**

Crop Year	Value of Sorghum for Grain 2/		Harvested for Silage		
	Per Bushel	Total	Acres	Yield per acre	Production
	-dollars-	-thous dol-	-thousands-	-tons-	-thousand tons-
1986	1.25	115,425	15	11.5	173
1987	1.50	89,250	20	12.0	240
1988	2.39	90,987	10	8.5	85
1989	2.16	97,265	15	10.0	150
1990	**2.18**	**92,955**	**20**	**11.0**	**220**

1/ Includes all acreage not harvested for silage or grain.
2/ Value is marketing year average price (see inside back cover).

FIELD CROPS:

Acreage, Yield, Production and Value, Missouri, 1986-90

Crop Year	Acreage Planted	Acreage Harvested	Yield Unit	Yield Per Acre	Production	Value 1/ Per Unit	Value 1/ Total
	-thousands-				-thous units-	-dollars-	-thous dol-
				-Winter Wheat-			
1986	1,050	570	Bu.	33.0	18,810	2.37	44,580
1987	900	770	Bu.	46.0	35,420	2.53	89,613
1988	1,650	1,550	Bu.	49.0	75,950	3.45	262,028
1989	1,970	1,850	Bu.	47.0	86,950	3.72	323,454
1990	**2,150**	**2,000**	**Bu.**	**38.0**	**76,000**	**2.70**	**205,200**
				-All Soybeans-			
1986	5,450	5,250	Bu.	32.5	170,625	4.61	786,581
1987	5,000	4,930	Bu.	32.0	157,760	5.70	899,232
1988	4,300	4,230	Bu.	26.5	112,095	7.45	835,108
1989	4,400	4,350	Bu.	28.0	121,800	5.60	682,080
1990	**4,200**	**4,150**	**Bu.**	**30.0**	**124,500**	**5.70**	**709,650**
				-Soybeans, single crop-			
1986	5,170	4,980	Bu.	32.8	163,290	----	-------
1987	4,615	4,555	Bu.	32.8	149,500	----	-------
1988	3,815	3,785	Bu.	27.2	103,085	----	-------
1989	3,760	3,735	Bu.	29.3	109,550	----	-------
1990	**3,540**	**3,500**	**Bu.**	**30.7**	**107,400**	**----**	**-------**
				-Soybeans, double crop-			
1986	280	270	Bu.	27.2	7,335	----	-------
1987	385	375	Bu.	22.0	8,260	----	-------
1988	485	445	Bu.	20.2	9,010	----	-------
1989	640	615	Bu.	19.9	12,250	----	-------
1990	**660**	**650**	**Bu.**	**26.3**	**17,100**	**----**	**-------**
				-Cotton 2/-			
1986	178	160	Lb.	588	196	51.50	48,451
1987	200	199	Lb.	796	330	66.00	104,544
1988	245	242	Lb.	607	306	53.50	78,581
1989	214	209	Lb.	618	269	64.70	83,541
1990	**248**	**235**	**Lb.**	**641**	**314**	**65.30**	**98,420**
				-Cottonseed-			
1986	---	---	Ton	---	81.0	63.00	5,103
1987	---	---	Ton	---	130.0	71.00	9,230
1988	---	---	Ton	---	124.0	110.00	13,640
1989	---	---	Ton	---	104.0	95.00	9,880
1990	**---**	**---**	**Ton**	**---**	**124.0**	**107.00**	**13,268**

1/ Value is marketing year average (see inside back cover).
2/ Cotton production in 480 pound bales, price in cents per pound.

FIELD CROPS:

Acreage, Yield, Production and Value, Missouri, 1986-90

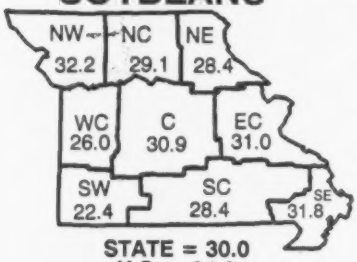
Crop Year	Acreage Planted	Acreage Harvested	Yield Unit	Yield Per Acre	Production	Value 1/ Per Unit	Value 1/ Total
	-thousands-				-thous units-	-dollars-	-thous dol-
				-Oats-			
1986	190	100	Bu.	50.0	5,000	1.05	5,250
1987	150	77	Bu.	41.0	3,157	1.55	4,893
1988	110	40	Bu.	38.0	1,520	3.25	4,940
1989	110	60	Bu.	60.0	3,600	1.65	5,940
1990	**60**	**42**	**Bu.**	**53.0**	**2,226**	**1.20**	**2,671**
				-Rice (All) 2/-			
1986	68	67	Cwt.	5,120	3,434	3.57	12,259
1987	67	66	Cwt.	5,400	3,564	7.41	26,409
1988	83	82	Cwt.	5,100	4,182	7.22	30,194
1989	81	79	Cwt.	5,200	4,108	7.54	30,974
1990	**92**	**80**	**Cwt.**	**4,700**	**3,760**	**6.50 3/**	**24,440 4/**
				-Tobacco 5/-			
1986	---	2,100	Lb.	2,090	4,389	1.548	6,794
1987	---	1,800	Lb.	1,960	3,528	1.568	5,532
1988	---	2,200	Lb.	2,010	4,422	1.548	6,845
1989	---	2,500	Lb.	2,180	5,450	1.625	8,856
1990	**---**	**2,600**	**Lb.**	**2,280**	**5,928**	**1.742**	**10,327**
				-All Hay-			
1986	---	3,310	Ton	1.78	5,896	55.00	324,280
1987	---	3,450	Ton	1.77	6,095	58.50	356,558
1988	---	3,880	Ton	1.31	5,088	78.00	396,864
1989	---	3,730	Ton	1.81	6,764	73.50	497,154
1990	**---**	**3,580**	**Ton**	**1.92**	**6,865**	**64.50**	**442,793**
				-Alfalfa Hay-			
1986	---	480	Ton	2.85	1,368	---	---
1987	---	500	Ton	2.75	1,375	---	---
1988	---	480	Ton	2.10	1,008	---	---
1989	---	530	Ton	2.80	1,484	---	---
1990	**---**	**480**	**Ton**	**3.00**	**1,440**	**---**	**---**
				-All Other Hay-			
1986	---	2,830	Ton	1.60	4,528	---	---
1987	---	2,950	Ton	1.60	4,720	---	---
1988	---	3,400	Ton	1.20	4,080	---	---
1989	---	3,200	Ton	1.65	5,280	---	---
1990	**---**	**3,100**	**Ton**	**1.75**	**5,425**	**---**	**---**

1/ Value is marketing year average price (see inside back cover)
2/ Rice yield is in pounds; production is in cwt.
3/ Average U.S. price for 1990 marketing year.
4/ Value based on U.S. price.
5/ Tobacco acreage in acres, not thousand acres.

1990 CROP YIELDS BY DISTRICTS

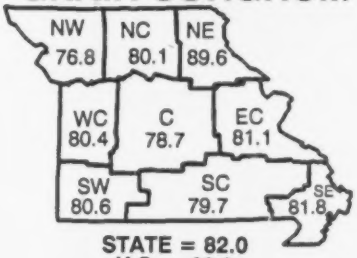
BU.\ ACRE

SOYBEANS



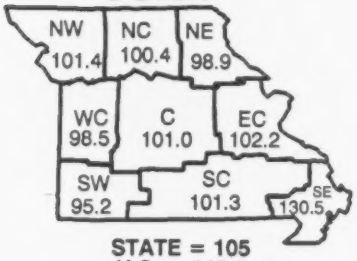
STATE = 30.0
U.S. = 34.0

GRAIN SORGHUM



STATE = 82.0
U.S. = 62.9

CORN



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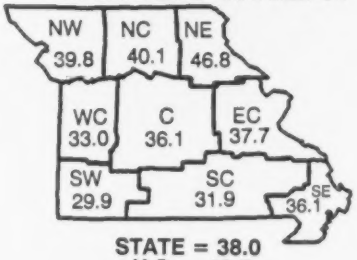
U.S. = 118.5

WINTER WHEAT



STATE = 38.0
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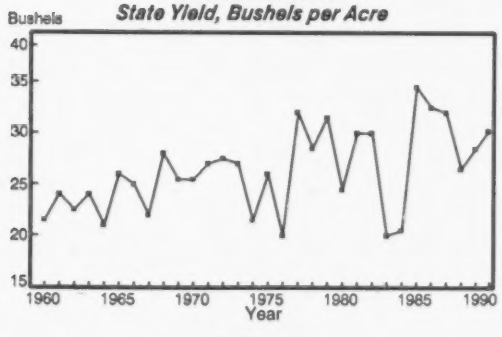
CROP YIELDS, 1960-1990

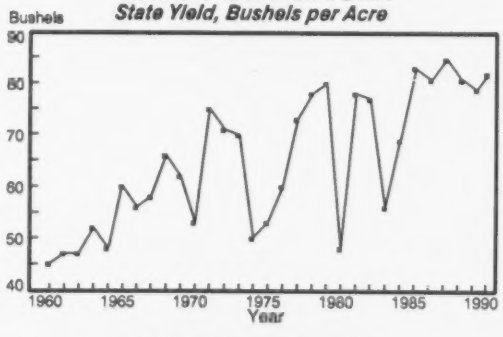
SOYBEANS:

State Yield, Bushels per Acre



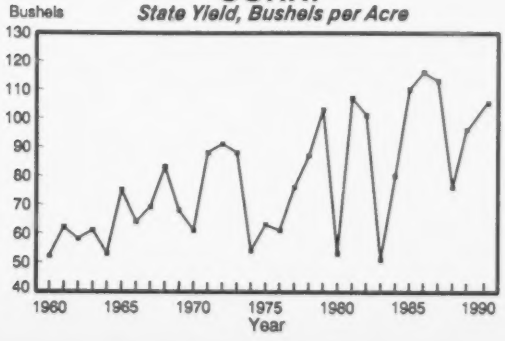
GRAIN SORGHUM:

State Yield, Bushels per Acre



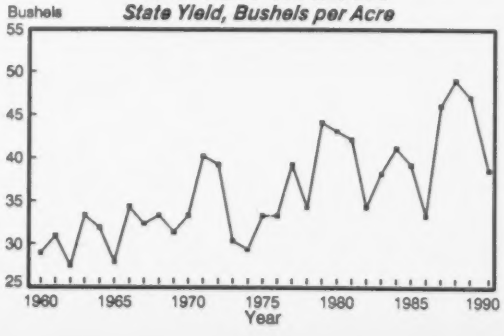
CORN:

State Yield, Bushels per Acre



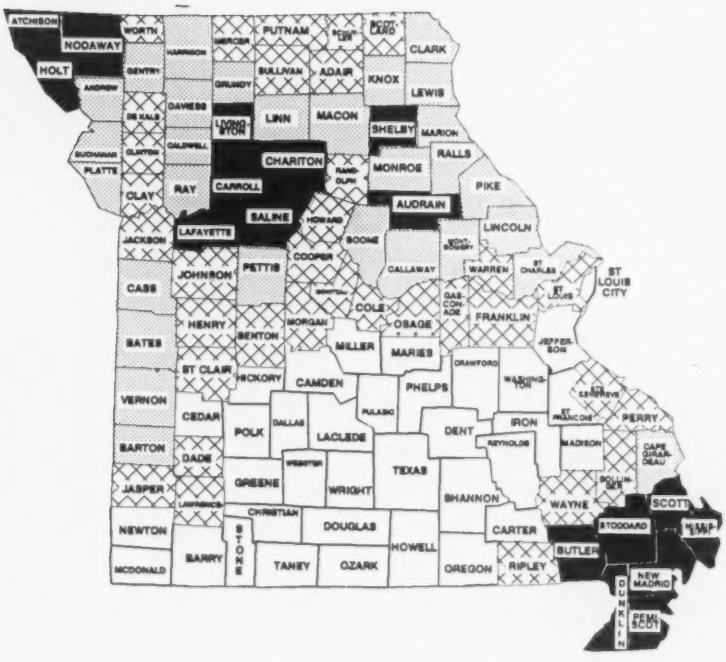
WINTER WHEAT:

State Yield, Bushels per Acre



1990 SOYBEAN PRODUCTION,

By Counties



TOP TEN COUNTIES

NEW MADRID . 6,265,000 bu.
PEMISCOT . . . 5,716,000 bu.
MISSISSIPPI . 5,434,000 bu.
STODDARD . . 5,322,000 bu.
SALINE . . . . . 4,108,000 bu.
ATCHISON . . . 3,964,000 bu.
NODAWAY . . . 3,611,000 bu.
HOLT. . . . . 3,340,000 bu.
AUDRAIN . . . . 3,333,000 bu.
CHARITON . . . 3,157,000 bu.

These top ten counties represent 35.5% of the State's total soybean production.

2,000,000 bu. and Above
1,000,000 bu. - 1,999,999 bu.
100,000 - 999,999 bu.
Under 100,000 bu.

SOYBEANS:

Single and Double Crop, Acreage, Yield and Production, By Districts, Missouri, 1989-90

District	SINGLE CROP						DOUBLE CROP					
	Acres Harvested		Yield		Production		Acres Harvested		Yield		Production	
	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
	-thous-		-bu-		-thous bu-		-thous-		-bu-		-thous bu-	
NW	869.2	791.5	25.8	32.5	22,386.0	25,746.0	35.5	27.7	10.4	21.4	370.0	593.0
NC	631.5	571.1	29.1	29.5	18,369.0	16,821.0	25.4	22.3	9.1	21.0	232.0	468.0
NE	623.8	562.6	29.5	29.1	18,425.0	16,350.0	38.2	38.7	11.2	19.0	428.0	735.0
WC	345.8	324.7	33.8	27.6	11,675.0	8,968.0	84.8	73.2	19.2	18.7	1,625.0	1,370.0
C	350.2	323.3	34.8	31.8	12,191.0	10,281.0	40.9	41.1	14.2	23.8	579.0	978.0
EC	206.5	191.2	33.1	32.0	6,845.0	6,118.0	26.9	23.4	13.8	22.4	372.0	524.0
SW	71.8	67.4	33.7	22.5	2,418.0	1,517.0	60.6	64.5	25.7	22.3	1,559.5	1,438.0
SC	27.0	21.2	25.6	29.2	692.0	619.0	2.3	5.7	24.6	25.3	56.5	144.0
SE	609.2	647.0	27.2	32.4	16,549.0	20,980.0	300.4	353.4	23.4	30.7	7,028.0	10,850.0
STATE	**3,735.0**	**3,500.0**	**29.3**	**30.7**	**109,550.0**	**107,400.0**	**615.0**	**650.0**	**19.9**	**26.3**	**12,250.0**	**17,100.0**

SOYBEANS:
Distribution Percentage by Row Width, Missouri, 1986-90 1/

Year	Number Sample Plots	Row Width (inches) 2/ 10.0 & Less	10.1-18.5	18.6-28.5	28.6-34.5	34.6 & Greater	Average Row Width 3/
1986	140	15.4	2.9	6.1	54.5	21.1	27.6
1987	148	20.6	8.4	7.1	44.3	19.6	25.9
1988	146	19.7	7.4	8.8	45.8	18.3	25.1
1989	145	23.8	5.9	7.3	42.9	20.1	25.7
1990	**141**	**26.8**	**6.1**	**7.8**	**42.5**	**16.8**	**24.9**

1/ Based on Soybean Objective Yield Survey. Data reflects trends in cropping practices, but are not official National Agricultural Statistics Board estimates.
2/ Percent of sample plots.
3/ In inches.

SOYBEANS:
Varieties by Districts, Missouri, 1990

Variety	NW	NC	NE	WC	C	EC	SW	SC	SE	STATE
					-percent-					
Public Varieties										
Williams	19.5	27.6	25.5	27.7	20.2	28.9	4.1	3.7	0.1	**17.6**
Resnik	8.0	7.5	3.7	2.0	3.7	1.2	---	---	---	**3.8**
Essex	---	---	---	5.9	0.2	7.0	10.9	25.9	3.3	**2.3**
Fayette	1.9	1.3	7.0	0.1	1.9	1.8	---	---	---	**1.9**
Avery	---	---	---	1.0	---	---	11.8	---	5.5	**1.8**
Flyer	3.6	0.8	1.7	3.2	1.5	---	---	---	---	**1.5**
Crawford	---	0.2	---	4.7	0.3	---	26.4	---	0.1	**1.4**
Others	3.2	1.4	2.3	2.9	4.1	2.2	3.5	55.6	5.5	**3.6**
Private Varieties										
Asgrow	18.3	21.9	12.5	7.2	5.8	19.3	8.2	5.6	41.4	**21.0**
Pioneer	15.1	20.8	23.0	14.9	19.7	17.6	16.0	---	7.4	**15.6**
Northrup King-Coker	2.3	2.5	1.8	2.7	14.8	2.8	5.6	9.2	16.4	**6.9**
DeKalb	2.8	3.0	10.2	8.3	3.9	10.1	5.0	---	3.1	**5.0**
Stine	4.8	0.9	2.6	1.9	5.8	4.8	0.8	---	0.1	**2.4**
Hartz	---	---	---	---	---	---	---	---	8.6	**2.1**
Merschman	2.5	1.3	1.8	4.8	1.8	1.7	5.2	---	---	**1.8**
Agripro	6.7	0.5	0.2	---	0.5	---	---	---	---	**1.4**
Capehart	---	---	0.2	---	---	---	---	---	5.4	**1.3**
Others	11.3	10.3	7.5	12.7	15.8	2.6	2.5	---	3.1	**8.6**

SOYBEANS:

Acreage, Yield, Production and Value, By Counties, Missouri, 1989-90

County	1989 Harvested	1989 Yield per Acre	1989 Production	1989 Total Value	1990 Harvested	1990 Yield per Acre	1990 Production	1990 Total Value
	-acres-	-bushels-		-thous dol-	-acres-	-bushels-		-thous dol-
ADAIR	36,300	28.2	1,025,000	5,627.0	31,300	26.5	829,000	4,642.0
ANDREW	64,400	22.4	1,442,000	7,946.0	57,700	31.2	1,799,000	10,092.0
ATCHISON	110,000	21.6	2,377,000	13,097.0	107,500	36.9	3,964,000	22,238.0
AUDRAIN	122,000	30.7	3,744,000	21,220.0	111,200	30.0	3,333,000	19,165.0
BARRY	1,100	25.2	27,700	152.2	700	17.9	12,500	69.8
BARTON	65,200	30.1	1,962,000	10,791.0	66,700	23.2	1,546,000	8,627.0
BATES	72,800	28.1	2,048,000	11,305.0	66,100	23.7	1,565,000	8,795.0
BENTON	13,700	34.6	474,000	2,631.0	12,000	25.5	306,000	1,717.0
BOLLINGER	14,000	25.4	356,000	2,015.0	13,100	28.4	372,000	2,136.0
BOONE	36,400	33.1	1,204,000	6,682.0	32,600	31.0	1,010,000	5,666.0
BUCHANAN	53,500	24.1	1,288,000	7,097.0	48,100	34.6	1,663,000	9,329.0
BUTLER	69,200	25.7	1,775,000	10,242.0	77,800	28.8	2,238,000	13,090.0
CALDWELL	45,100	27.1	1,224,000	6,744.0	41,900	26.5	1,110,000	6,227.0
CALLAWAY	45,100	31.8	1,433,000	7,953.0	41,500	30.0	1,244,000	6,979.0
CAMDEN	*				*			
CAPE GIRARDEAU	42,300	29.3	1,240,000	7,155.0	43,000	31.4	1,349,000	7,890.0
CARROLL	109,000	29.0	3,163,000	17,365.0	98,500	30.5	3,002,000	16,811.0
CARTER	*				*			
CASS	55,400	29.8	1,652,000	9,119.0	46,700	25.5	1,190,000	6,688.0
CEDAR	3,800	28.4	108,000	596.0	3,300	24.2	80,000	450.0
CHARITON	111,500	29.5	3,290,000	18,062.0	105,300	30.0	3,157,000	17,679.0
CHRISTIAN	*				*			
CLARK	59,800	24.2	1,446,000	8,195.0	50,100	25.8	1,292,000	7,429.0
CLAY	19,700	29.6	584,000	3,218.0	15,600	32.5	507,000	2,844.0
CLINTON	33,600	25.5	856,000	4,717.0	26,200	31.1	814,000	4,567.0
COLE	6,000	35.3	212,000	1,177.0	5,100	33.1	169,000	948.0
COOPER	45,400	36.0	1,636,000	9,080.0	41,400	30.4	1,258,000	7,057.0
CRAWFORD	*				*			
DADE	20,500	29.8	611,000	3,361.0	21,500	24.9	535,000	2,985.0
DALLAS	*				*			
DAVIESS	75,200	26.4	1,989,000	10,960.0	64,600	29.5	1,904,000	10,682.0
DEKALB	34,500	25.8	889,000	4,898.0	28,500	27.2	775,000	4,348.0
DENT	600	30.8	18,500	104.7	*			
DOUGLAS	*				*			
DUNKLIN	93,900	23.8	2,233,000	12,884.0	99,700	25.6	2,550,000	14,915.0
FRANKLIN	12,900	31.3	404,000	2,311.0	12,300	27.6	339,000	1,966.0
GASCONADE	4,200	35.2	148,000	846.5	4,300	31.2	134,000	777.2
GENTRY	51,800	25.4	1,318,000	7,262.0	47,800	30.0	1,433,000	8,039.0
GREENE	*				*			
GRUNDY	64,500	28.7	1,852,000	10,167.0	57,600	30.5	1,755,000	9,828.0
HARRISON	57,500	26.7	1,538,000	8,474.0	49,800	31.1	1,548,000	8,684.0
HENRY	42,400	31.3	1,326,000	7,320.0	35,600	23.0	818,000	4,597.0
HICKORY	1,400	23.6	33,100	183.8	1,600	21.4	34,200	191.9
HOLT	101,500	23.8	2,414,000	13,301.0	94,700	35.3	3,340,000	18,738.0
HOWARD	34,200	33.6	1,148,000	6,371.0	29,200	32.7	954,000	5,352.0
HOWELL	*				*			
IRON	*				*			
JACKSON	34,400	34.9	1,202,000	6,635.0	29,900	28.6	854,000	4,799.0
JASPER	33,400	31.0	1,035,000	5,692.0	32,000	19.5	624,000	3,482.0
JEFFERSON	4,700	32.8	154,000	880.8	2,900	31.2	90,400	524.3
JOHNSON	46,300	32.2	1,489,000	8,219.0	42,500	23.3	989,000	5,558.0
KNOX	65,900	26.8	1,769,000	10,026.0	58,600	26.2	1,534,000	8,820.0
LACLEDE	*				*			
LAFAYETTE	90,900	34.6	3,148,000	17,377.0	87,500	33.0	2,885,000	16,214.0
LAWRENCE	6,600	28.8	190,000	1,045.0	7,300	23.4	171,000	954.1
LEWIS	58,300	27.2	1,588,000	9,000.0	52,800	26.4	1,393,000	8,010.0
LINCOLN	38,800	28.4	1,102,000	6,304.0	40,200	30.5	1,225,000	7,105.0
LINN	55,500	27.8	1,544,000	8,476.0	49,900	29.2	1,456,000	8,154.0
LIVINGSTON	90,900	27.3	2,485,000	13,643.0	83,600	29.9	2,498,000	13,989.0
MCDONALD	*				*			
MACON	69,300	28.9	2,004,000	11,002.0	62,700	28.8	1,804,000	10,103.0
MADISON	*				*			
MARIES	*				*			
MARION	50,300	29.9	1,504,000	8,524.0	49,200	30.7	1,509,000	8,677.0
MERCER	28,300	25.9	732,000	4,019.0	24,100	27.3	657,000	3,679.0

SOYBEANS:

Acreage, Yield, Production and Value, By Counties, Missouri, 1989-90

County	1989 Harvested	1989 Yield per Acre	1989 Production	1989 Total Value	1990 Harvested	1990 Yield per Acre	1990 Production	1990 Total Value
	-acres-	-bushels-		-thous dol-	-acres-	-bushels-		-thous dol-
MILLER	1,300	35.4	46,000	255.5	800	30.5	24,400	136.9
MISSISSIPPI	148,500	29.4	4,367,000	25,198.0	149,000	36.5	5,434,000	31,784.0
MONITEAU	12,500	32.6	407,000	2,259.0	11,500	28.2	324,000	1,818.0
MONROE	68,800	30.1	2,072,000	11,743.0	63,800	29.0	1,849,000	10,632.0
MONTGOMERY	46,300	27.1	1,256,000	7,184.0	43,900	26.8	1,176,000	6,821.0
MORGAN	6,600	31.5	208,000	1,154.0	5,600	28.9	162,000	908.8
NEW MADRID	159,500	25.4	4,047,000	23,351.0	193,500	32.4	6,265,000	36,644.0
NEWTON	5,100	27.3	139,000	764.5	3,400	17.8	60,500	337.6
NODAWAY	121,500	24.2	2,937,000	16,183.0	114,000	31.7	3,611,000	20,258.0
OREGON	*				*			
OSAGE	6,600	35.3	233,000	1,293.0	7,100	35.9	255,000	1,430.0
OZARK	*				*			
PEMISCOT	154,000	24.3	3,739,000	21,574.0	176,000	32.5	5,716,000	33,433.0
PERRY	28,700	29.1	835,000	4,776.0	24,700	34.5	852,000	4,942.0
PETTIS	58,800	32.2	1,892,000	10,501.0	54,400	24.9	1,354,000	7,596.0
PHELPS	*				*			
PIKE	51,500	31.2	1,606,000	9,102.0	48,900	31.7	1,549,000	8,907.0
PLATTE	43,000	29.8	1,281,000	7,058.0	39,300	35.5	1,394,000	7,820.0
POLK	1,400	28.8	40,300	223.7	1,200	26.0	31,200	175.0
PULASKI	*				*			
PUTNAM	17,100	25.3	432,000	2,372.0	12,500	25.5	319,000	1,786.0
RALLS	61,100	29.2	1,785,000	10,117.0	56,300	28.7	1,615,000	9,286.0
RANDOLPH	35,600	30.9	1,099,000	6,033.0	32,200	28.7	923,000	5,169.0
RAY	75,300	29.3	2,208,000	12,166.0	65,800	30.4	1,999,000	11,214.0
REYNOLDS	*				*			
RIPLEY	8,700	25.2	219,000	1,240.0	8,600	30.5	262,000	1,504.0
ST. CHARLES	56,400	34.7	1,955,000	11,183.0	51,300	33.7	1,727,000	10,016.0
ST. CLAIR	21,800	28.5	622,000	3,433.0	18,400	21.9	403,000	2,265.0
STE. GENEVIEVE	10,600	35.3	374,000	2,139.0	8,200	37.9	311,000	1,804.0
ST. FRANCOIS	1,000	31.0	31,000	177.2	900	29.9	26,900	156.0
ST. LOUIS	10,000	32.8	328,000	1,876.0	8,300	30.4	252,000	1,462.0
SALINE	120,500	31.3	3,769,000	20,918.0	119,500	34.4	4,108,000	23,046.0
SCHUYLER	13,200	22.7	300,000	1,647.0	11,600	24.7	287,000	1,607.0
SCOTLAND	42,800	24.3	1,039,000	5,889.0	38,300	25.8	987,000	5,675.0
SCOTT	90,200	24.6	2,216,000	12,786.0	93,900	31.5	2,956,000	17,290.0
SHANNON	*				*			
SHELBY	81,500	28.2	2,300,000	13,036.0	72,100	28.1	2,024,000	11,638.0
STODDARD	152,000	26.1	3,960,000	22,849.0	167,500	31.8	5,322,000	31,129.0
STONE	*				*			
SULLIVAN	25,700	26.3	675,000	3,706.0	24,100	25.0	602,000	3,371.0
TANEY	*				*			
TEXAS	*				*			
VERNON	62,800	27.1	1,705,000	9,412.0	67,900	22.9	1,554,000	8,734.0
WARREN	19,100	31.8	607,000	3,472.0	17,300	28.9	500,000	2,900.0
WASHINGTON	*				*			
WAYNE	5,300	25.8	137,000	775.4	4,600	25.0	115,000	659.9
WEBSTER	*				*			
WORTH	18,100	22.7	411,000	2,265.0	17,700	27.0	478,000	2,682.0
WRIGHT	*				*			
ALL OTHER	3,100	28.5	88,400	495.7	2,100	25.7	53,900	305.5
DISTRICTS								
NORTHWEST	904,700	25.2	22,756,000	125,386.0	819,200	32.2	26,339,000	147,762.0
NORTH CENTRAL	656,900	28.3	18,601,000	102,119.0	593,400	29.1	17,289,000	96,818.0
NORTHEAST	662,000	28.5	18,853,000	106,852.0	601,300	28.4	17,085,000	98,239.0
WEST CENTRAL	430,600	30.9	13,300,000	73,416.0	397,900	26.0	10,338,000	58,100.0
CENTRAL	391,100	32.7	12,770,000	70,874.0	364,400	30.9	11,259,000	63,163.0
EAST CENTRAL	233,400	30.9	7,217,000	41,281.0	214,600	31.0	6,642,000	38,524.0
SOUTHWEST	132,400	30.0	3,977,500	21,876.0	131,900	22.4	2,955,000	16,489.0
SOUTH CENTRAL	29,300	25.5	748,500	4,237.0	26,900	28.4	763,000	4,380.0
SOUTHEAST	909,600	25.9	23,577,000	136,039.0	1,000,400	31.8	31,830,000	186,175.0
STATE	**4,350,000**	**28.0**	**121,800,000**	**682,080.0**	**4,150,000**	**30.0**	**124,500,000**	**709,650.0**

* Counties with less than 500 planted acres included in ALL OTHER.

CORN:

Acreage, Yield, Production and Value, By Counties, Missouri, 1989-90

County	1989 Harvested	1989 Yield per Acre	1989 Production	1989 Total Value	1990 Harvested	1990 Yield per Acre	1990 Production	1990 Total Value
	-acres-	-bushels-		-thous dol-	-acres-	-bushels-		-thous dol-
ADAIR	13,600	95.8	1,303,000	2,958.0	10,800	98.4	1,063,000	2,424.0
ANDREW	38,800	64.8	2,515,000	5,784.0	38,000	98.7	3,750,000	8,587.0
ATCHISON	108,500	51.5	5,586,000	12,848.0	112,500	109.5	12,320,000	28,213.0
AUDRAIN	40,600	107.9	4,382,000	10,385.0	37,600	103.2	3,880,000	9,118.0
BARRY	450	84.2	37,900	95.8	*			
BARTON	8,200	115.6	948,000	2,399.0	5,200	113.5	590,000	1,487.0
BATES	31,000	99.3	3,078,000	7,316.0	20,600	85.3	1,758,000	4,131.0
BENTON	5,800	94.8	550,000	1,276.0	3,300	100.3	331,000	764.5
BOLLINGER	9,900	102.1	1,011,000	2,558.0	8,200	104.8	859,000	2,156.0
BOONE	13,500	107.9	1,457,000	3,380.0	10,000	102.5	1,025,000	2,368.0
BUCHANAN	35,600	73.4	2,612,000	6,007.0	33,700	104.1	3,508,000	8,033.0
BUTLER	8,500	114.0	969,000	2,452.0	8,600	110.7	952,000	2,353.0
CALDWELL	20,100	83.0	1,669,000	3,839.0	17,700	87.5	1,548,000	3,545.0
CALLAWAY	15,100	106.0	1,600,000	3,712.0	11,000	102.4	1,126,000	2,601.0
CAMDEN	400	89.5	35,800	83.1	*			
CAPE GIRARDEAU	34,200	101.3	3,464,000	8,764.0	23,900	108.7	2,598,000	6,423.0
CARROLL	57,500	106.9	6,145,000	13,949.0	50,300	100.3	5,045,000	11,503.0
CARTER	*				*			
CASS	23,300	107.9	2,514,000	5,976.0	15,600	94.2	1,469,000	3,452.0
CEDAR	700	85.7	60,000	142.0	200	85.0	17,000	39.9
CHARITON	54,300	97.2	5,277,000	11,979.0	47,900	108.0	5,173,000	11,794.0
CHRISTIAN	650	93.2	60,600	153.3	550	72.7	40,000	100.8
CLARK	44,900	68.2	3,060,000	7,252.0	38,800	93.9	3,642,000	8,559.0
CLAY	8,600	100.3	863,000	1,985.0	6,600	99.1	654,000	1,498.0
CLINTON	24,000	90.0	2,159,000	4,966.0	21,900	102.6	2,247,000	5,146.0
COLE	6,900	98.7	681,000	1,580.0	4,800	96.5	463,000	1,070.0
COOPER	39,700	103.3	4,102,000	9,517.0	23,700	99.0	2,346,000	5,419.0
CRAWFORD	500	74.2	37,100	91.3	*			
DADE	1,600	95.0	152,000	384.5	1,200	82.2	98,600	248.5
DALLAS	100	78.0	7,800	18.1	*			
DAVIESS	27,700	85.5	2,369,000	5,449.0	24,500	98.0	2,401,000	5,498.0
DEKALB	25,800	83.4	2,152,000	4,949.0	20,100	93.8	1,885,000	4,317.0
DENT	800	81.5	65,200	165.0	500	98.0	49,000	123.1
DOUGLAS	*				*			
DUNKLIN	6,100	139.5	851,000	2,153.0	6,700	117.2	785,000	1,941.0
FRANKLIN	23,000	94.4	2,171,000	5,341.0	13,600	95.3	1,296,000	3,123.0
GASCONADE	8,700	91.8	799,000	1,966.0	4,800	90.6	435,000	1,048.0
GENTRY	29,500	94.9	2,799,000	6,438.0	27,700	94.4	2,614,000	5,986.0
GREENE	600	76.8	46,100	116.6	450	81.3	36,600	92.2
GRUNDY	13,400	110.9	1,486,000	3,373.0	11,900	105.5	1,255,000	2,861.0
HARRISON	37,200	99.5	3,702,000	8,515.0	34,300	98.5	3,378,000	7,736.0
HENRY	15,100	102.0	1,540,000	3,661.0	11,000	91.4	1,005,000	2,362.0
HICKORY	350	87.1	30,500	70.7	450	95.3	42,900	99.1
HOLT	76,600	70.3	5,382,000	12,379.0	82,300	106.1	8,732,000	19,996.0
HOWARD	27,400	106.1	2,908,000	6,747.0	19,900	93.2	1,854,000	4,283.0
HOWELL	400	87.5	35,000	88.5	300	83.0	24,900	62.5
IRON	*				*			
JACKSON	11,900	112.3	1,336,000	3,176.0	9,700	102.2	991,000	2,329.0
JASPER	3,100	114.5	355,000	898.1	1,800	82.2	148,000	373.0
JEFFERSON	3,500	95.4	334,000	821.6	1,400	95.0	133,000	320.4
JOHNSON	28,100	101.8	2,860,000	6,798.0	20,700	94.7	1,960,000	4,606.0
KNOX	28,700	76.3	2,191,000	5,193.0	24,200	99.4	2,405,000	5,652.0
LACLEDE	1,200	81.8	98,200	227.8	700	87.7	61,400	141.8
LAFAYETTE	79,100	115.2	9,110,000	21,654.0	66,600	105.2	7,006,000	16,464.0
LAWRENCE	750	94.5	70,900	179.3	700	70.7	49,500	124.8
LEWIS	38,900	79.3	3,083,000	7,307.0	31,700	91.2	2,890,000	6,791.0
LINCOLN	46,600	92.6	4,315,000	10,615.0	30,500	90.5	2,759,000	6,649.0
LINN	20,700	106.7	2,208,000	5,012.0	17,000	99.8	1,696,000	3,867.0
LIVINGSTON	16,100	101.4	1,632,000	3,705.0	14,300	96.2	1,375,000	3,135.0
MCDONALD	*				*			
MACON	22,200	103.1	2,288,000	5,194.0	17,800	95.7	1,703,000	3,883.0
MADISON	*				*			
MARIES	2,200	79.1	174,000	403.6	1,100	91.8	101,000	233.2
MARION	33,500	89.4	2,996,000	7,101.0	30,600	101.4	3,103,000	7,292.0
MERCER	16,300	90.3	1,472,000	3,341.0	15,900	100.1	1,591,000	3,628.0

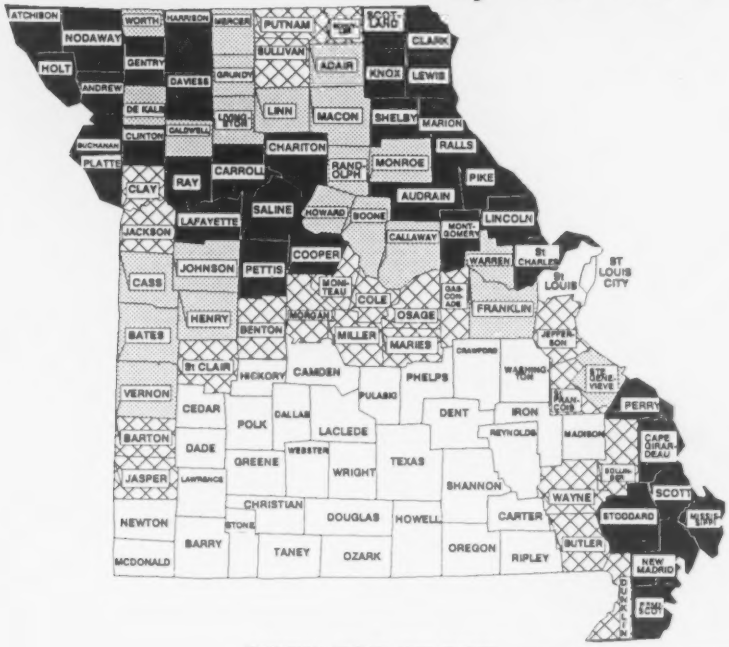
CORN:

Acreage, Yield, Production and Value, By Counties, Missouri, 1989-90

County	1989 Harvested	1989 Yield per Acre	1989 Production	1989 Total Value	1990 Harvested	1990 Yield per Acre	1990 Production	1990 Total Value
	-acres-	-bushels-		-thous dol-	-acres-	-bushels-		-thous dol-
MACON	22,200	103.1	2,288,000	5,194.0	17,800	95.7	1,703,000	3,883.0
MADISON	*				*			
MARIES	2,200	79.1	174,000	403.6	1,100	91.8	101,000	233.2
MARION	33,500	89.4	2,996,000	7,101.0	30,600	101.4	3,103,000	7,292.0
MERCER	16,300	90.3	1,472,000	3,341.0	15,900	100.1	1,591,000	3,628.0
MILLER	3,200	103.8	332,000	770.1	1,900	97.4	185,000	427.3
MISSISSIPPI	56,500	141.2	7,976,000	20,179.0	54,600	134.2	7,330,000	18,121.0
MONITEAU	12,000	91.4	1,097,000	2,545.0	7,900	91.0	719,000	1,661.0
MONROE	20,700	92.2	1,909,000	4,524.0	18,200	98.6	1,794,000	4,216.0
MONTGOMERY	34,000	93.5	3,179,000	7,820.0	25,400	86.7	2,201,000	5,305.0
MORGAN	6,500	100.6	654,000	1,517.0	4,100	91.2	374,000	863.8
NEW MADRID	49,200	142.5	7,009,000	17,733.0	51,900	142.1	7,373,000	18,227.0
NEWTON	450	92.2	41,500	104.9	*			
NODAWAY	109,000	63.6	6,935,000	15,950.0	106,500	95.9	10,218,000	23,399.0
OREGON	*				*			
OSAGE	9,100	101.0	919,000	2,132.0	5,700	106.8	609,000	1,407.0
OZARK	*				*			
PEMISCOT	14,400	129.4	1,863,000	4,713.0	16,900	124.3	2,101,000	5,194.0
PERRY	27,700	105.0	2,908,000	7,154.0	21,600	113.0	2,441,000	5,883.0
PETTIS	30,700	109.1	3,350,000	7,772.0	22,100	97.1	2,146,000	4,957.0
PHELPS	1,100	90.9	100,000	232.0	800	93.1	74,500	172.1
PIKE	42,500	89.4	3,801,000	9,008.0	35,700	101.2	3,613,000	8,490.0
PLATTE	26,400	88.6	2,340,000	5,382.0	24,900	106.2	2,644,000	6,055.0
POLK	1,000	84.7	84,700	196.5	700	98.0	68,600	158.5
PULASKI	750	84.0	63,000	146.1	500	80.2	40,100	92.6
PUTNAM	12,000	86.2	1,034,000	2,347.0	9,300	89.1	829,000	1,890.0
RALLS	23,400	91.8	2,147,000	5,088.0	22,500	100.4	2,259,000	5,309.0
RANDOLPH	15,500	97.6	1,513,000	3,435.0	14,000	92.9	1,300,000	2,964.0
RAY	27,300	113.1	3,087,000	7,100.0	24,900	103.4	2,575,000	5,897.0
REYNOLDS	400	68.3	27,300	69.0	*			
RIPLEY	*				*			
ST. CHARLES	46,800	120.6	5,644,000	13,884.0	34,700	115.8	4,019,000	9,686.0
ST. CLAIR	5,400	105.6	570,000	1,355.0	3,100	90.6	281,000	660.1
STE. GENEVIEVE	14,200	111.5	1,583,000	3,894.0	10,800	112.2	1,212,000	2,921.0
ST. FRANCOIS	2,200	85.9	189,000	464.9	1,500	92.7	139,000	335.0
ST. LOUIS	5,300	110.9	588,000	1,446.0	4,100	110.2	452,000	1,089.0
SALINE	106,000	94.9	10,056,000	23,330.0	93,800	105.4	9,887,000	22,839.0
SCHUYLER	9,700	86.0	834,000	1,893.0	8,400	105.1	883,000	2,013.0
SCOTLAND	31,300	78.0	2,440,000	5,783.0	28,400	103.6	2,942,000	6,914.0
SCOTT	50,400	129.5	6,525,000	16,508.0	46,100	132.1	6,088,000	15,050.0
SHANNON	*				*			
SHELBY	30,500	80.9	2,466,000	5,845.0	24,700	97.1	2,398,000	5,635.0
STODDARD	98,700	125.3	12,365,000	31,284.0	83,200	130.6	10,862,000	26,852.0
STONE	*				*			
SULLIVAN	12,700	95.1	1,208,000	2,742.0	9,800	92.7	908,000	2,070.0
TANEY	*				*			
TEXAS	600	88.0	52,800	133.6	700	86.0	60,200	151.2
VERNON	19,400	105.4	2,044,000	4,859.0	11,400	101.8	1,160,000	2,726.0
WARREN	22,000	110.0	2,420,000	5,953.0	16,000	108.4	1,734,000	4,179.0
WASHINGTON	500	75.8	37,900	93.2	*			
WAYNE	1,300	93.8	122,000	308.7	1,300	113.1	147,000	369.1
WEBSTER	550	90.2	49,600	125.5	500	82.0	41,000	102.9
WORTH	14,900	65.3	973,000	2,238.0	12,900	94.7	1,221,000	2,796.0
WRIGHT	*				*			
ALL OTHER	1,250	86.5	108,100	273.2	2,650	76.9	203,700	501.6
DISTRICTS								
NORTHWEST	610,000	74.0	45,143,000	103,829.0	588,500	101.4	59,695,000	136,702.0
NORTH CENTRAL	264,000	100.0	26,400,000	59,928.0	227,400	100.4	22,821,000	52,032.0
NORTHEAST	335,000	85.0	28,475,000	67,486.0	292,400	98.9	28,926,000	67,976.0
WEST CENTRAL	214,000	108.0	23,112,000	54,937.0	158,900	98.5	15,647,000	36,770.0
CENTRAL	283,000	100.0	28,300,000	65,656.0	212,800	101.0	21,483,000	49,626.0
EAST CENTRAL	235,000	103.0	24,205,000	59,544.0	165,000	102.2	16,864,000	40,642.0
SOUTHWEST	16,000	108.0	1,728,000	4,372.0	10,600	95.2	1,009,000	2,543.0
SOUTH CENTRAL	15,000	97.0	1,455,000	3,681.0	12,500	101.3	1,266,000	3,178.0
SOUTHEAST	318,000	129.0	41,022,000	103,786.0	291,900	130.5	38,089,000	94,161.0
STATE	**2,290,000**	**96.0**	**219,840,000**	**523,219.0**	**1,960,000**	**105.0**	**205,800,000**	**483,630.0**

* Counties with less than 500 planted acres included in ALL OTHER.

1990 CORN FOR GRAIN PRODUCTION,
By Counties



TOP TEN COUNTIES

ATCHISON . .12,320,000 bu.
STODDARD .10,862,000 bu.
NODAWAY . .10,218,000 bu.
SALINE . . . . . 9,887,000 bu.
HOLT . . . . . 8,732,000 bu.
NEW MADRID.7,373,000 bu.
MISSISSIPPI . 7,330,000 bu.
LAFAYETTE . . 7,006,000 bu.
SCOTT . . . . . 6,088,000 bu.
CHARITON . . 5,173,000 bu.

These top ten counties represent 41.3% of the State's total corn production.

2,000,000 bu. and Above
1,000,000 bu. - 1,999,999 bu.
100,000 - 999,999 bu.
Under 100,000 bu.

CORN FOR SILAGE: By Districts, Missouri, 1989-90

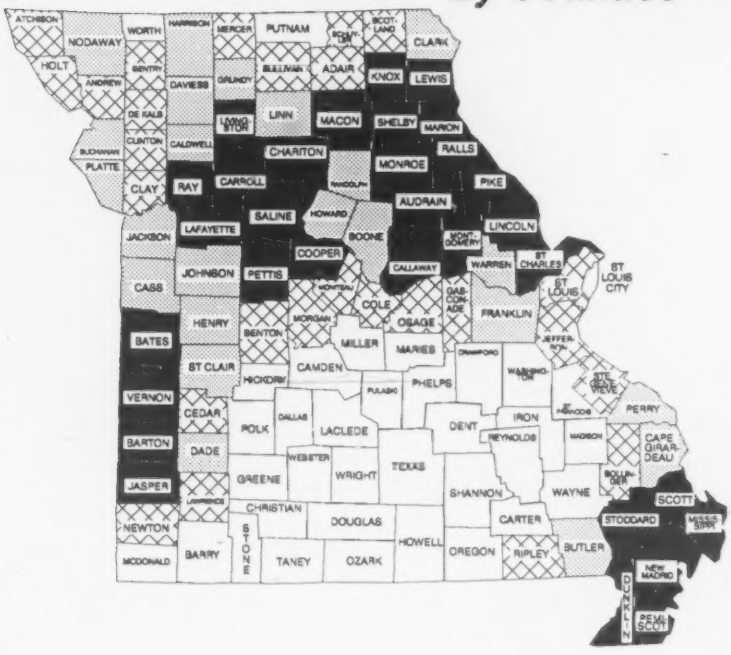
District	1989 Harvested Acres	1989 Yield	1989 Production	1990 Harvested Acres	1990 Yield	1990 Production
	-thous-	*-tons-*	*-thous tons-*	*-thous-*	*-tons-*	*-thous tons-*
Northwest	17.0	9.8	167	17.4	13.2	229
North Central	10.0	13.0	130	12.2	13.6	166
Northeast	23.0	11.1	255	18.3	13.3	243
West Central	8.0	15.8	126	9.5	12.8	122
Central	13.0	14.2	185	14.8	12.0	178
East Central	9.0	15.6	140	8.8	14.5	128
Southwest	4.0	12.5	50	3.2	11.9	38
South Central	3.0	9.0	27	2.5	10.0	25
Southeast	3.0	15.0	45	3.3	12.4	41
State	**90.0**	**12.5**	**1,125**	**90.0**	**13.0**	**1,170**

CORN FOR GRAIN: Distribution Percentage by Row Width, Missouri, 1986-90 1/

Year	Number of Samples	Row Width (inches) 30.5 & less	30.6-32.5	32.6-34.5	34.6-36.5	36.6-38.5	38.6-40.5	40.6 & Greater	Average Row Width
		-percent of samples-							*-inches-*
1986	127	32.3	19.7	1.6	10.2	25.2	11.0	0.0	33.8
1987	121	33.0	20.7	0.0	14.9	25.6	5.8	0.0	33.6
1988	102	28.3	12.8	2.9	17.7	25.5	11.8	1.0	34.3
1989	113	44.4	9.7	4.4	11.5	16.8	9.7	3.5	33.5
1990	**116**	**40.4**	**16.4**	**3.5**	**7.8**	**24.1**	**6.9**	**.9**	**33.3**

1/ Based on Corn Objective Yield Survey. Data reflects trends in cropping practices, but are not official Agricultural Board estimates.

1990 WHEAT PRODUCTION,
By Counties



TOP TEN COUNTIES

PEMISCOT	3,335,000 bu.
AUDRAIN	3,181,000 bu.
STODDARD	3,120,000 bu.
NEW MADRID	2,759,000 bu.
CARROLL	2,004,000 bu.
MISSISSIPPI	1,998,000 bu.
SCOTT	1,887,000 bu.
MONROE	1,835,000 bu.
CHARITON	1,759,000 bu.
SHELBY	1,759,000 bu.

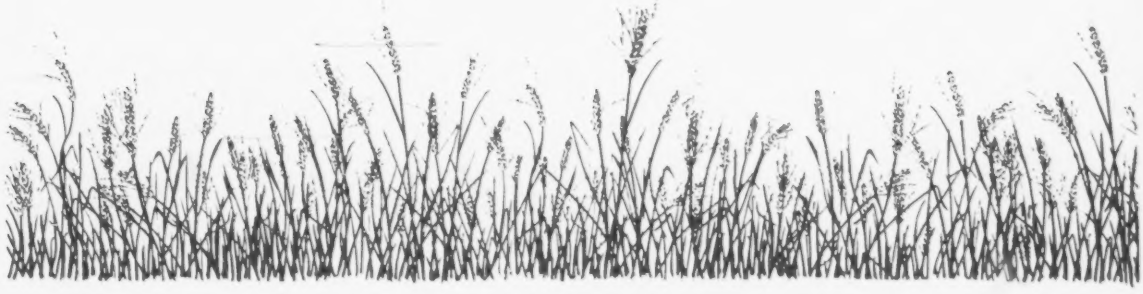
These top ten counties represent 31.3% of the State's total wheat production.

1,000,000 bu. and Above

500,000 bu. - 999,999 bu.

100,000 - 499,999 bu.

Under 100,000 bu.



WHEAT:
Varieties and Class by Districts, Missouri, 1991 Crop

Class & Variety	NW	NC	NE	WC	C	EC	SW	SC	SE	STATE
					-percent-					
Hard Red Winter, all	**20.9**	---	---	---	---	---	---	---	---	**2.0**
Soft Red Winter										
Caldwell	23.1	36.3	16.3	33.9	31.1	29.9	57.2	23.5	32.2	**30.9**
Cardinal	21.3	28.0	24.2	30.3	30.8	31.6	18.0	45.1	35.3	**28.7**
*Pioneer	27.9	31.8	47.0	26.4	32.2	24.1	15.5	15.0	17.1	**27.9**
*Northrup King-Coker	---	---	1.4	---	---	0.6	---	8.0	7.3	**2.1**
*Agripro	3.5	0.5	3.3	1.1	1.4	4.4	---	---	---	**1.6**
Arthur 71	---	0.2	---	2.1	0.6	3.4	2.3	---	1.8	**1.2**
*Merschman	1.0	0.3	2.5	3.9	0.8	0.8	0.4	---	---	**1.2**
All other soft	2.3	2.9	5.3	2.3	3.1	5.2	6.6	8.4	6.3	**4.4**
Total Soft Winter	**79.1**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**98.0**

* Private company varieties.

WHEAT:

Acreage, Yield, Production and Value, By Counties, Missouri, 1989-90

County	1989 Harvested	1989 Yield per Acre	1989 Production	1989 Total Value	1990 Harvested	1990 Yield per Acre	1990 Production	1990 Total Value
	-acres-	-bushels-		-thous dol-	-acres-	-bushels-		-thous dol-
ADAIR	6,800	40.9	278,000	1,015.0	7,900	39.4	311,000	811.8
ANDREW	7,700	37.9	292,000	1,069.0	9,600	41.4	397,000	1,020.0
ATCHISON	3,700	31.1	115,000	420.9	4,400	44.8	197,000	506.3
AUDRAIN	65,900	48.2	3,174,000	11,964.0	68,700	46.3	3,181,000	8,875.0
BARRY	1,100	44.5	49,000	177.4	750	33.2	24,900	64.5
BARTON	54,800	46.7	2,560,000	9,267.0	60,100	28.4	1,705,000	4,416.0
BATES	39,700	49.6	1,970,000	7,230.0	42,700	30.1	1,284,000	3,390.0
BENTON	8,400	54.5	458,000	1,676.0	8,400	36.3	305,000	796.0
BOLLINGER	4,300	41.9	180,000	671.4	5,800	30.5	177,000	485.0
BOONE	22,800	49.6	1,132,000	4,143.0	23,600	38.2	902,000	2,354.0
BUCHANAN	15,800	35.1	554,000	2,028.0	16,200	38.0	616,000	1,583.0
BUTLER	18,100	40.9	740,000	2,834.0	27,100	28.8	780,000	2,199.0
CALDWELL	19,400	42.8	831,000	3,041.0	19,100	38.4	734,000	1,886.0
CALLAWAY	27,400	47.2	1,293,000	4,732.0	28,400	40.8	1,159,000	3,025.0
CAMDEN	*				*			
CAPE GIRARDEAU	19,200	39.9	766,000	2,934.0	24,400	31.8	775,000	2,185.0
CARROLL	55,700	44.8	2,494,000	9,103.0	54,400	36.8	2,004,000	5,231.0
CARTER	*				*			
CASS	15,900	49.6	789,000	2,896.0	15,800	33.4	527,000	1,391.0
CEDAR	3,900	45.6	178,000	653.0	3,500	33.7	118,000	311.0
CHARITON	42,100	51.6	2,172,000	7,928.0	44,300	41.4	1,835,000	4,789.0
CHRISTIAN	400	42.5	17,000	61.4	450	28.7	12,900	33.4
CLARK	13,700	43.8	600,000	2,261.0	15,600	46.3	722,000	2,014.0
CLAY	8,600	39.9	343,000	1,255.0	8,700	36.2	315,000	809.6
CLINTON	7,900	46.7	369,000	1,351.0	9,000	38.8	349,000	896.9
COLE	5,100	50.6	258,000	944.3	4,700	32.6	153,000	399.2
COOPER	38,800	56.4	2,190,000	8,016.0	38,100	34.1	1,301,000	3,396.0
CRAWFORD	700	45.7	32,000	120.6	700	36.7	25,700	70.2
DADE	22,600	44.8	1,012,000	3,664.0	24,900	32.0	796,000	2,062.0
DALLAS	*				*			
DAVIESS	20,400	44.8	913,000	3,342.0	19,800	41.3	818,000	2,102.0
DEKALB	12,000	38.9	467,000	1,709.0	11,200	38.8	435,000	1,118.0
DENT	400	42.5	17,000	63.4	450	40.9	18,400	50.4
DOUGLAS	*				*			
DUNKLIN	46,500	40.9	1,901,000	7,281.0	50,400	28.5	1,434,000	4,043.0
FRANKLIN	15,100	49.1	742,000	2,797.0	15,000	34.5	518,000	1,414.0
GASCONADE	5,100	42.7	218,000	821.5	5,600	34.5	193,000	526.8
GENTRY	13,500	37.0	499,000	1,826.0	11,700	41.3	483,000	1,241.0
GREENE	1,400	45.7	64,000	231.7	1,400	36.9	51,600	133.6
GRUNDY	15,400	48.6	749,000	2,734.0	16,300	42.3	690,000	1,801.0
HARRISON	11,900	45.8	545,000	1,995.0	11,400	45.9	523,000	1,344.0
HENRY	20,300	49.7	1,008,000	3,699.0	20,600	37.8	779,000	2,057.0
HICKORY	1,200	41.7	50,000	183.0	2,700	32.1	86,600	225.9
HOLT	6,200	34.0	211,000	772.3	7,500	44.3	332,000	853.3
HOWARD	21,800	50.6	1,103,000	4,037.0	23,000	30.6	703,000	1,835.0
HOWELL	600	45.0	27,000	100.7	250	32.8	8,200	22.5
IRON	*				*			
JACKSON	20,200	43.8	885,000	3,248.0	18,600	37.8	704,000	1,859.0
JASPER	32,300	45.8	1,478,000	5,350.0	36,700	29.7	1,089,000	2,820.0
JEFFERSON	2,200	44.5	98,000	369.4	2,900	34.5	100,000	273.0
JOHNSON	17,800	49.7	884,000	3,244.0	19,300	33.4	644,000	1,700.0
KNOX	21,700	42.8	929,000	3,502.0	22,700	47.9	1,087,000	3,033.0
LACLEDE	450	48.9	22,000	80.4	400	35.8	14,300	37.3
LAFAYETTE	34,200	52.5	1,797,000	6,595.0	35,300	38.8	1,371,000	3,619.0
LAWRENCE	8,300	41.8	347,000	1,256.0	10,900	33.0	360,000	932.3
LEWIS	25,600	52.5	1,345,000	5,070.0	27,600	46.5	1,283,000	3,580.0
LINCOLN	34,100	50.1	1,709,000	6,443.0	33,700	38.0	1,282,000	3,500.0
LINN	16,700	48.7	813,000	2,967.0	18,600	42.4	789,000	2,059.0
LIVINGSTON	27,000	54.5	1,471,000	5,369.0	29,100	42.1	1,226,000	3,200.0
MCDONALD	*				*			
MACON	20,500	47.7	978,000	3,570.0	23,800	42.1	1,002,000	2,615.0
MADISON	*				*			
MARIES	1,300	47.7	62,000	226.9	1,600	33.4	53,500	139.6
MARION	29,800	50.6	1,508,000	5,684.0	32,400	47.8	1,548,000	4,319.0
MERCER	3,400	47.6	162,000	591.3	4,900	32.4	159,000	415.1

WHEAT:

Acreage, Yield, Production and Value, By Counties, Missouri, 1989-90

County	1989 Harvested	1989 Yield per Acre	1989 Production	1989 Total Value	1990 Harvested	1990 Yield per Acre	1990 Production	1990 Total Value
	-acres-	-bushels-		-thous dol-	-acres-	-bushels-		-thous dol-
MILLER	1,000	50.0	50,000	183.0	1,100	29.0	31,900	83.3
MISSISSIPPI	47,100	51.6	2,429,000	9,303.0	52,600	37.8	1,998,000	5,633.0
MONITEAU	14,500	52.6	762,000	2,789.0	14,600	33.3	486,000	1,268.0
MONROE	39,400	46.7	1,841,000	6,939.0	40,000	47.0	1,880,000	5,245.0
MONTGOMERY	37,000	46.7	1,729,000	6,518.0	35,300	41.3	1,459,000	3,983.0
MORGAN	5,700	50.5	288,000	1,054.0	6,000	31.0	186,000	485.4
NEW MADRID	56,600	44.8	2,534,000	9,705.0	73,500	37.5	2,759,000	7,779.0
NEWTON	5,900	43.7	258,000	934.0	8,700	30.9	269,000	696.7
NODAWAY	10,700	35.0	375,000	1,372.0	11,700	42.8	501,000	1,288.0
OREGON	*				*			
OSAGE	4,000	47.8	191,000	699.0	3,400	33.2	113,000	294.8
OZARK	*				*			
PEMISCOT	60,300	43.8	2,641,000	10,115.0	81,900	40.7	3,335,000	9,403.0
PERRY	21,900	49.6	1,087,000	4,098.0	24,600	35.2	865,000	2,361.0
PETTIS	33,700	51.6	1,738,000	6,361.0	37,500	37.3	1,400,000	3,654.0
PHELPS	600	35.0	21,000	76.8	400	32.8	13,100	34.2
PIKE	35,900	48.7	1,747,000	6,585.0	37,800	45.3	1,712,000	4,776.0
PLATTE	22,500	33.1	745,000	2,727.0	20,400	38.4	784,000	2,015.0
POLK	1,600	45.0	72,000	263.5	1,400	36.4	50,900	132.8
PULASKI	*				*			
PUTNAM	1,400	46.4	65,000	237.3	1,300	37.7	49,000	127.9
RALLS	35,600	48.7	1,732,000	6,528.0	37,500	46.4	1,740,000	4,855.0
RANDOLPH	22,700	48.7	1,105,000	4,033.0	22,000	38.8	854,000	2,229.0
RAY	29,600	44.8	1,325,000	4,849.0	29,800	36.5	1,089,000	2,799.0
REYNOLDS	*				*			
RIPLEY	2,600	43.8	114,000	425.2	3,200	32.5	104,000	285.0
ST. CHARLES	26,000	55.5	1,442,000	5,437.0	27,900	39.8	1,111,000	3,033.0
ST. CLAIR	18,200	48.7	886,000	3,252.0	19,900	33.0	656,000	1,732.0
STE. GENEVIEVE	8,500	41.9	356,000	1,342.0	9,400	34.4	323,000	881.7
ST. FRANCIS	1,200	45.0	54,000	203.5	1,300	37.2	48,300	131.9
ST. LOUIS	7,500	46.7	350,000	1,320.0	7,200	36.8	265,000	723.4
SALINE	38,100	52.5	2,002,000	7,328.0	41,500	38.3	1,591,000	4,153.0
SCHUYLER	2,400	43.8	105,000	383.3	2,700	41.9	113,000	294.9
SCOTLAND	10,700	40.9	438,000	1,651.0	11,600	42.5	493,000	1,375.0
SCOTT	51,700	42.8	2,214,000	8,479.0	53,700	35.1	1,887,000	5,320.0
SHANNON	*				*			
SHELBY	33,100	48.2	1,595,000	6,012.0	35,200	50.0	1,759,000	4,908.0
STODDARD	71,500	49.6	3,549,000	13,593.0	81,600	38.2	3,120,000	8,796.0
STONE	*				*			
SULLIVAN	3,300	47.6	157,000	573.1	3,300	41.8	138,000	360.3
TANEY	*				*			
TEXAS	500	44.0	22,000	82.1	500	34.0	17,000	46.6
VERNON	48,100	44.8	2,153,000	7,901.0	55,400	28.0	1,550,000	4,092.0
WARREN	14,700	45.8	673,000	2,537.0	14,800	36.6	542,000	1,480.0
WASHINGTON	*				*			
WAYNE	2,100	37.6	79,000	294.7	2,100	32.9	69,000	189.1
WEBSTER	300	40.0	12,000	44.8	200	32.0	6,400	17.5
WORTH	1,900	43.7	83,000	303.8	2,300	42.6	98,000	251.9
WRIGHT	400	37.5	15,000	56.0	200	30.0	6,000	16.4
ALL OTHER	1,650	41.2	68,000	251.3	1200	31.1	37,300	100.5
DISTRICTS								
NORTHWEST	191,800	40.0	7,667,000	28,061.0	192,800	39.8	7,671,000	19,714.0
NORTH CENTRAL	217,400	48.5	10,549,000	38,504.0	228,600	40.1	9,170,000	23,934.0
NORTHEAST	311,400	47.9	14,909,000	56,196.0	329,100	46.8	15,405,000	42,980.0
WEST CENTRAL	218,300	48.3	10,550,000	38,718.0	231,100	33.0	7,633,000	20,151.0
CENTRAL	226,900	51.6	11,709,000	42,855.0	237,000	36.1	8,556,000	22,331.0
EAST CENTRAL	174,000	48.8	8,490,000	32,007.0	178,400	37.7	6,732,000	18,378.0
SOUTHWEST	127,000	45.6	5,794,000	20,974.0	144,100	29.9	4,314,000	11,173.0
SOUTH CENTRAL	12,200	41.6	508,000	1,895.0	13,500	31.9	431,000	1,181.0
SOUTHEAST	371,000	45.2	16,774,000	64,244.0	445,400	36.1	16,088,000	45,358.0
STATE	**1,850,000**	**47.0**	**86,950,000**	**323,454.0**	**2,000,000**	**38.0**	**76,000,000**	**205,200.0**

* Counties with less than 500 planted acres included in ALL OTHER.

SORGHUM:

Acreage, Yield, Production and Value, By Counties, Missouri, 1989-90

County	1989 Harvested	1989 Yield per Acre	1989 Production	1989 Total Value	1990 Harvested	1990 Yield per Acre	1990 Production	1990 Total Value
	-acres-	-bushels-		-thous dol-	-acres-	-bushels-		-thous dol-
ADAIR	*				*			
ANDREW	3,400	57.6	196,000	394.0	2,900	87.9	255,000	512.6
ATCHISON	*				*			
AUDRAIN	28,800	88.1	2,536,000	5,326.0	25,600	92.5	2,368,000	5,025.0
BARRY	*				*			
BARTON	20,400	95.9	1,956,000	4,205.0	18,800	89.2	1,677,000	3,673.0
BATES	12,600	84.1	1,060,000	2,215.0	12,000	78.0	936,000	1,966.0
BENTON	4,200	85.2	358,000	737.5	3,400	79.4	270,000	553.5
BOLLINGER	5,100	76.3	389,000	840.7	5,600	78.0	437,000	961.4
BOONE	2,000	83.0	166,000	342.0	1,600	76.3	122,000	250.1
BUCHANAN	2,500	60.8	152,000	305.5	1,900	78.9	150,000	301.5
BUTLER	38,400	62.6	2,404,000	5,457.0	39,800	79.0	3,145,000	7,171.0
CALDWELL	2,000	68.5	137,000	275.4	1,900	60.0	114,000	229.2
CALLAWAY	7,800	82.2	641,000	1,320.0	7,100	88.0	625,000	1,281.0
CAMDEN	*				*			
CAPE GIRARDEAU	6,500	60.6	394,000	894.0	7,100	90.0	639,000	1,457.0
CARROLL	2,600	75.4	196,000	392.0	3,600	80.0	288,000	576.0
CARTER	*				*			
CASS	7,100	78.3	556,000	1,162.0	4,800	80.0	384,000	806.2
CEDAR	750	73.3	55,000	115.0	500	57.8	28,900	60.6
CHARITON	2,100	84.3	177,000	354.0	1,900	76.8	146,000	292.0
CHRISTIAN	*				*			
CLARK	*				*			
CLAY	1,500	86.0	129,000	259.2	1,000	70.0	70,000	140.7
CLINTON	1,400	74.3	104,000	209.0	850	69.9	59,400	119.4
COLE	800	76.3	61,000	125.7	1,600	76.3	122,000	250.1
COOPER	4,000	80.3	321,000	661.3	4,100	77.1	316,000	647.8
CRAWFORD	*				*			
DADE	5,700	89.1	508,000	1,092.0	5,000	69.0	345,000	755.4
DALLAS	*		0.0	*				
DAVIESS	5,900	73.4	433,000	870.3	4,200	88.1	370,000	743.7
DEKALB	2,600	59.6	155,000	311.5	1,500	82.7	124,000	249.3
DENT	*				*			
DOUGLAS	*				*			
DUNKLIN	32,500	74.4	2,417,000	5,487.0	27,800	67.5	1,877,000	4,280.0
FRANKLIN	2,600	65.8	171,000	367.8	2,200	80.0	176,000	380.1
GASCONADE	1,400	68.6	96,000	206.4	1,600	66.9	107,000	231.1
GENTRY	2,500	60.8	152,000	305.5	2,900	55.9	162,000	325.6
GREENE	*				*			
GRUNDY	5,300	90.0	477,000	954.0	4,000	82.0	328,000	656.0
HARRISON	2,700	68.5	185,000	371.8	1,600	70.0	112,000	225.1
HENRY	16,500	83.2	1,372,000	2,868.0	11,100	79.5	883,000	1,854.0
HICKORY	550	76.4	42,000	86.5	950	66.0	62,700	128.5
HOLT	1,600	66.3	106,000	213.0	1,800	90.0	162,000	325.6
HOWARD	950	82.1	78,000	160.7	850	75.1	63,800	130.8
HOWELL	*				*			
IRON	*				*			
JACKSON	3,500	88.0	308,000	643.7	2,200	73.2	161,000	338.0
JASPER	8,300	78.3	650,000	1,398.0	6,100	75.1	458,000	1,003.0
JEFFERSON	*				*			
JOHNSON	9,300	79.2	737,000	1,540.0	7,500	75.1	563,000	1,182.0
KNOX	1,800	87.2	157,000	329.7	1,300	89.2	116,000	246.1
LACLEDE	*				*			
LAFAYETTE	850	82.4	70,000	146.3	1,100	73.7	81,100	170.2
LAWRENCE	1,500	66.7	100,000	215.0	2,300	53.0	122,000	267.0
LEWIS	1,300	85.4	111,000	233.0	1,200	81.0	97,200	206.2
LINCOLN	2,200	66.4	146,000	313.9	3,300	90.0	297,000	641.5
LINN	3,600	81.1	292,000	584.0	3,300	77.9	257,000	514.0
LIVINGSTON	6,600	75.3	497,000	994.0	5,400	79.1	427,000	854.0
MCDONALD	*				*			
MACON	2,600	84.2	219,000	438.0	2,800	80.0	224,000	448.0
MADISON	*				*			
MARIES	*				*			
MARION	3,800	66.6	253,000	531.3	3,500	85.1	298,000	632.3
MERCER	1,100	67.3	74,000	148.0	650	84.6	55,000	110.0

SORGHUM:

Acreage, Yield, Production and Value, By Counties, Missouri, 1989-90

County	1989 Harvested	1989 Yield per Acre	1989 Production	1989 Total Value	1990 Harvested	1990 Yield per Acre	1990 Production	1990 Total Value
	-acres-	-bushels-		-thous dol-	-acres-	-bushels-		-thous dol-
MILLER	450	80.0	36,000	74.2	*			
MISSISSIPPI	16,900	87.1	1,472,000	3,341.0	19,900	95.0	1,891,000	4,311.0
MONITEAU	2,800	79.3	222,000	457.3	2,700	78.5	212,000	434.6
MONROE	21,000	82.1	1,724,000	3,621.0	18,100	84.0	1,521,000	3,228.0
MONTGOMERY	3,600	60.6	218,000	468.7	4,100	82.0	336,000	725.7
MORGAN	1,800	76.1	137,000	282.2	900	71.0	63,900	131.0
NEW MADRID	61,100	82.2	5,021,000	11,398.0	51,700	85.0	4,395,000	10,021.0
NEWTON	1,200	56.7	68,000	146.2	800	74.0	59,200	129.4
NODAWAY	2,100	57.1	120,000	241.2	1,100	72.0	79,200	159.2
OREGON	*				*			
OSAGE	1,500	81.3	122,000	251.3	1,800	80.0	144,000	295.2
OZARK	*				*			
PEMISCOT	24,700	77.3	1,909,000	4,333.0	20,000	77.0	1,540,000	3,511.0
PERRY	2,100	72.4	152,000	326.8	2,800	76.1	213,000	460.0
PETTIS	14,800	81.2	1,202,000	2,476.0	10,100	75.0	758,000	1,554.0
PHELPS	*				*			
PIKE	6,700	90.0	603,000	1,266.0	5,300	87.9	466,000	989.0
PLATTE	2,400	80.4	193,000	387.9	1,800	90.0	162,000	325.6
POLK	450	91.1	41,000	84.5	*			
PULASKI	*				*			
PUTNAM	*				*			
RALLS	9,600	97.1	932,000	1,957.0	8,400	95.0	798,000	1,694.0
RANDOLPH	1,200	78.3	94,000	188.0	1,200	86.7	104,000	208.0
RAY	2,900	84.1	244,000	490.4	2,200	68.2	150,000	301.5
REYNOLDS	*				*			
RIPLEY	5,000	58.8	294,000	635.4	5,900	81.5	481,000	1,058.0
ST. CHARLES	1,200	66.7	80,000	172.0	1,600	86.3	138,000	298.0
ST. CLAIR	7,600	77.2	587,000	1,227.0	6,800	76.0	517,000	1,086.0
STE. GENEVIEVE	1,200	77.5	93,000	200.0	1,300	80.8	105,000	226.8
ST. FRANCOIS	*				*			
ST. LOUIS	*				*			
SALINE	2,100	76.2	160,000	329.6	2,600	80.4	209,000	428.5
SCHUYLER	*				*			
SCOTLAND	*				*			
SCOTT	16,500	82.2	1,356,000	3,078.0	17,200	88.0	1,514,000	3,452.0
SHANNON	*				*			
SHELBY	9,100	78.2	712,000	1,495.0	8,600	92.0	791,000	1,679.0
STODDARD	40,700	75.3	3,066,000	6,960.0	43,600	82.0	3,576,000	8,153.0
STONE	*				*			
SULLIVAN	750	64.0	48,000	96.0	500	88.0	44,000	88.0
TANEY	*				*			
TEXAS	*				*			
VERNON	20,600	91.0	1,874,000	3,917.0	19,200	88.0	1,690,000	3,549.0
WARREN	1,200	71.7	86,000	185.0	1,700	82.9	141,000	304.5
WASHINGTON	*				*			
WAYNE	1,200	54.2	65,000	140.5	1,400	82.9	116,000	255.2
WEBSTER	*				*			
WORTH	*				*			
WRIGHT	*				*			
ALL OTHER	4,350	70.1	305,000	638.1	4,500	76.6	344,600	727.2
DISTRICTS								
NORTHWEST	34,100	68 7	2,344,000	4,711.0	25,900	76.8	1,990,000	4,000.0
NORTH CENTRAL	26,300	80.0	2,105,000	4,210.0	23,700	80.1	1,899,000	3,798.0
NORTHEAST	82,600	85.6	7,068,000	14,843.0	72,700	89.6	6,511,000	13,818.0
WEST CENTRAL	78,800	84.0	6,619,000	13,834.0	65,200	80.4	5,244,000	11,012.0
CENTRAL	45,000	81.2	3,656,000	7,531.0	38,900	78.7	3,062,000	6,277.0
EAST CENTRAL	16,400	67.0	1,098,000	2,361.0	19,600	81.1	1,590,000	3,434.0
SOUTHWEST	37,500	88.2	3,307,000	7,110.0	33,400	80.6	2,691,000	5,893.0
SOUTH CENTRAL	12,000	66.2	794,000	1,716.0	13,500	79.7	1,076,000	2,367.0
SOUTHEAST	237,300	76.0	18,039,000	40,949.0	227,100	81.8	18,577,000	42,356.0
STATE	**570,000**	**79.0**	**45,030,000**	**97,265.0**	**520,000**	**82.0**	**42,640,000**	**92,955.0**

* Counties with less than 500 planted acres included in ALL OTHER.

1990 SORGHUM FOR GRAIN PRODUCTION,
By Counties

TOP TEN COUNTIES

NEW MADRID . 4,395,000 bu.
STODDARD . . . 3,576,000 bu.
BUTLER . . . . . 3,145,000 bu.
AUDRAIN . . . . . 2,368,000 bu.
MISSISSIPPI . . 1,891,000 bu.
DUNKLIN . . . . . 1,877,000 bu.
VERNON . . . . . 1,690,000 bu.
BARTON . . . . . 1,677,000 bu.
PEMISCOT . . . . 1,540,000 bu.
SCOTT . . . . . 1,514,000 bu.

These top ten counties represent 55.5% of the State's total sorghum production.

1,000,000 bu. and Above
500,000 bu. - 999,999 bu.
100,000 - 499,999 bu.
Under 100,000 bu.

TOBACCO:
Acreage, Yield and Production by Counties, Missouri, 1989-1990

County	1989 Harvested	1989 Yield	1989 Production	1990 Harvested	1990 Yield	1990 Production
	-acres-	-lbs.-	-lbs.-	-acres-	-lbs.-	-lbs.-
Boone	36	2,110	76,000	39	2,275	88,700
Buchanan	490	2,165	1,061,000	545	2,255	1,230,000
Chariton	130	2,230	290,100	125	2,215	277,000
Clinton	26	2,160	56,200	24	2,280	54,700
Howard	195	2,180	425,000	190	2,290	435,500
Platte	1,560	2,190	3,420,000	1,630	2,295	3,741,000
Others	63	1,930	121,700	47	2,150	101,100
State	**2,500**	**2,180**	**5,450,000**	**2,600**	**2,280**	**5,928,000**

* INCLUDED IN OTHERS

COTTON:

Acreage, Yield and Production by Counties, Missouri, 1989-1990

County	1989 Planted	1989 Harvested	1989 Yield	1989 Production	1990 Planted	1990 Harvested	1990 Yield	1990 Production
	-acres-		-lbs-	-480 lb bales-	-acres-		-lbs-	-480 lb bales-
Butler	850	600	572	715	400	350	494	360
Dunklin	94,700	93,600	587	114,500	110,100	108,200	611	137,800
Mississippi	300	300	856	535	1,400	1,200	796	1,990
New Madrid	56,900	56,100	688	80,400	66,900	58,800	629	77,000
Pemiscot	45,300	42,900	585	52,300	53,400	51,500	685	73,500
Scott	5,650	5,500	703	8,050	5,900	5,800	708	8,550
Stoddard	10,300	10,000	600	12,500	9,900	9,150	776	14,800
State	**214,000**	**209,000**	**618**	**269,000**	**248,000**	**235,000**	**641**	**314,000**

COTTON: Varieties Planted, Missouri, 1986-90

Year	Stone-ville 112	Stone-ville 213	Stone-ville 453	Stone-ville 506	Stone-ville 825	Delta-pine 20	Delta-pine 41	Delta-pine 50	Delta pine 51	Delta pin 61	Coker 3131	DES 119	All Other Varieties
							-percent-						
1986	5	3	--	40	19	3	8	14	--	5	1	--	2
1987	1	--	--	39	16	10	3	28	--	*	2	--	1
1988	*	--	--	27	16	12	--	42	--	--	1	--	2
1989	2	--	3	36	3	15	--	37	--	--	--	--	4
1990	*	--	8	25	2	16	--	45	1	--	--	3	*

*Less than .5%
Source: U.S. Department of Agriculture, Agricultural Marketing Service, Cotton Division.

RICE:

Acreage, Yield and Production by Counties, Missouri, 1989-90

County	1989 Planted	1989 Harvested	1989 Yield	1989 Production	1990 Planted	1990 Harvested	1990 Yield	1990 Production
	-acres-		-lbs-	-cwt-	-acres-		-lbs-	-cwt-
Butler	45,100	44,600	5,080	2,265,000	47,600	41,700	4,790	1,998,000
New Madrid	3,500	2,900	4,960	141,000	6,600	4,400	4,680	206,000
Ripley	3,000	2,900	5,000	145,000	3,300	3,200	4,500	144,000
Stoddard	27,000	26,500	5,480	1,451,000	32,000	29,300	4,590	1,345,000
Others	2,400	2,100	5,050	106,000	2,500	1,400	4,790	67,000
State	**81,000**	**79,000**	**5,200**	**4,108,000**	**92,000**	**80,000**	**4,700**	**3,760,000**

RICE: Varieties Planted, Missouri, 1988-90

Year	Lemont	Tebonnet	Gulfmont	Labelle	Other*
			-percent of acreage-		
1988	63	16	9	1/	7
1989	63	15	9	1/	8
1990	**51**	**23**	**6**	**6**	**14**

* Includes Newbonnet, Skybonnet, Starbonnet, Rexmont, Kathy and L202.
1/ Included in others.

HAY:

Acreage, Yield, Production and Value, By Counties, Missouri, 1989-90

County	1989 Harvested	1989 Yield per Acre	1989 Production	1989 Total Value	1990 Harvested	1990 Yield per Acre	1990 Production	1990 Total Value
	-acres-		-tons-	-thous dol-	-acres-		-tons-	-thous dol-
ADAIR	60,500	1.50	92,200	6,546.0	59,100	1.80	106,400	6,065.0
ANDREW	19,700	1.80	35,900	2,585.0	19,100	2.30	43,900	2,546.0
ATCHISON	8,400	1.65	14,000	1,008.0	7,700	2.75	21,200	1,230.0
AUDRAIN	26,100	1.95	50,300	3,672.0	24,500	2.05	50,300	2,917.0
BARRY	53,800	1.80	96,100	7,976.0	50,700	1.90	96,300	7,463.0
BARTON	41,500	1.90	78,200	6,491.0	40,300	1.60	64,500	4,999.0
BATES	59,400	2.05	122,800	8,105.0	58,200	1.85	107,700	6,923.0
BENTON	46,300	1.60	74,200	5,268.0	44,500	1.90	84,600	5,245.0
BOLLINGER	27,300	1.80	48,800	3,953.0	26,900	1.75	47,100	3,603.0
BOONE	40,000	2.05	81,200	5,765.0	37,800	2.00	75,600	4,687.0
BUCHANAN	13,400	2.10	27,900	2,009.0	13,800	2.20	30,400	1,763.0
BUTLER	8,200	1.35	11,100	737.5	7,700	1.45	11,200	716.9
CALDWELL	35,600	1.45	51,800	3,730.0	34,100	1.75	59,700	3,462.0
CALLAWAY	46,300	1.60	74,200	5,268.0	43,000	2.00	86,000	5,332.0
CAMDEN	20,400	1.50	30,500	2,165.0	19,300	1.70	32,800	2,034.0
CAPE GIRARDEAU	47,000	1.75	81,800	5,436.0	44,100	1.70	74,600	4,774.0
CARROLL	29,500	1.55	46,400	3,295.0	27,600	1.95	53,800	3,067.0
CARTER	5,600	1.30	7,200	583.0	5,400	1.65	8,900	681.0
CASS	46,800	1.95	91,900	6,065.0	45,900	1.80	82,600	5,310.0
CEDAR	38,000	1.85	70,700	4,666.0	38,100	1.70	64,800	4,166.0
CHARITON	36,700	1.95	72,200	5,126.0	35,600	1.80	64,100	3,654.0
CHRISTIAN	51,700	2.10	107,700	8,939.0	49,200	2.15	105,800	8,199.0
CLARK	20,900	1.50	31,300	2,285.0	19,900	2.00	39,800	2,308.0
CLAY	25,600	1.65	42,600	3,067.0	24,300	2.00	48,600	2,819.0
CLINTON	33,100	1.55	51,600	3,715.0	32,500	1.80	58,500	3,393.0
COLE	34,600	2.15	74,000	5,254.0	33,300	2.15	71,600	4,439.0
COOPER	36,900	1.80	67,000	4,757.0	34,800	1.80	63,200	3,918.0
CRAWFORD	23,400	1.55	36,500	2,592.0	22,600	1.90	42,900	2,660.0
DADE	38,900	1.80	69,500	5,769.0	37,900	1.85	70,100	5,433.0
DALLAS	53,400	1.60	85,600	6,078.0	50,400	1.85	93,200	5,778.0
DAVIESS	26,800	1.95	52,900	3,809.0	26,800	2.15	57,600	3,341.0
DEKALB	33,500	1.80	61,000	4,392.0	31,700	2.20	69,700	4,042.0
DENT	22,700	1.70	38,300	3,102.0	22,400	1.85	41,400	3,167.0
DOUGLAS	39,400	1.70	66,600	5,395.0	38,500	1.70	65,400	5,003.0
DUNKLIN	1,500	1.85	2,800	186.1	1,400	1.70	2,400	153.6
FRANKLIN	52,400	1.65	86,700	6,156.0	50,200	1.85	92,900	5,760.0
GASCONADE	31,900	1.65	52,800	3,749.0	30,900	1.95	60,200	3,732.0
GENTRY	33,900	1.75	59,900	4,313.0	32,500	2.25	73,100	4,240.0
GREENE	80,900	2.00	160,500	13,321.0	78,200	2.00	156,700	12,144.0
GRUNDY	24,800	1.85	46,300	3,287.0	24,000	2.25	54,000	3,078.0
HARRISON	58,200	1.65	96,800	6,969.0	56,400	2.10	118,400	6,867.0
HENRY	53,500	1.75	94,000	6,204.0	52,500	1.70	89,300	5,741.0
HICKORY	37,700	2.05	76,600	5,439.0	35,600	2.10	74,700	4,631.0
HOLT	6,700	2.70	18,100	1,303.0	6,500	2.75	17,900	1,038.0
HOWARD	25,900	1.50	38,800	2,755.0	23,700	1.90	45,000	2,790.0
HOWELL	44,000	1.90	83,100	6,731.0	42,100	1.85	77,800	5,952.0
IRON	10,700	2.00	21,300	1,725.0	10,300	1.95	20,100	1,538.0
JACKSON	20,100	2.50	49,900	3,294.0	19,700	2.00	39,400	2,533.0
JASPER	47,100	1.70	79,400	6,590.0	45,800	1.60	73,300	5,681.0
JEFFERSON	21,100	1.95	41,100	2,918.0	20,400	2.15	43,900	2,722.0
JOHNSON	70,600	1.80	127,700	8,428.0	69,300	1.80	124,700	8,016.0
KNOX	34,200	1.70	58,600	4,278.0	31,900	1.95	62,300	3,614.0
LACLEDE	55,700	1.70	95,200	6,759.0	53,400	1.85	98,800	6,126.0
LAFAYETTE	32,200	1.95	63,300	4,178.0	31,600	2.10	66,400	4,269.0
LAWRENCE	80,900	2.20	176,600	14,658.0	77,700	1.90	147,600	11,439.0
LEWIS	19,400	1.70	33,200	2,423.0	18,700	1.80	33,700	1,955.0
LINCOLN	23,100	1.95	45,000	3,195.0	21,500	2.35	50,400	3,125.0
LINN	58,400	1.85	109,100	7,746.0	56,600	1.95	110,400	6,293.0
LIVINGSTON	25,300	1.55	39,800	2,826.0	24,000	2.00	48,000	2,736.0
MCDONALD	33,800	1.80	60,300	5,005.0	32,000	1.55	49,600	3,844.0
MACON	61,500	1.65	102,800	7,299.0	59,100	1.80	106,300	6,059.0
MADISON	15,700	1.50	23,400	1,895.0	15,200	1.70	25,800	1,974.0
MARIES	31,400	1.60	50,300	3,571.0	29,600	1.85	54,800	3,398.0
MARION	19,000	2.15	40,700	2,971.0	17,500	2.20	38,500	2,233.0
MERCER	33,100	1.70	56,900	4,040.0	33,100	2.15	71,200	4,058.0

HAY:

Acreage, Yield, Production and Value, By Counties, Missouri, 1989-90

County	1989 Harvested	1989 Yield per Acre	1989 Production	1989 Total Value	1990 Harvested	1990 Yield per Acre	1990 Production	1990 Total Value
	-acres-		-tons-	-thous dol-	-acres-		-tons-	-thous dol-
MILLER	35,300	1.85	66,000	4,686.0	34,100	1.80	61,400	3,807.0
MISSISSIPPI	2,200	1.80	4,000	265.7	2,200	1.80	4,000	256.0
MONITEAU	40,800	2.15	87,200	6,191.0	37,800	2.05	77,500	4,805.0
MONROE	31,000	2.55	79,600	5,811.0	28,900	2.20	63,600	3,689.0
MONTGOMERY	19,300	2.05	39,500	2,804.0	17,900	1.90	34,000	2,108.0
MORGAN	36,100	1.85	67,500	4,792.0	33,300	1.95	64,900	4,024.0
NEW MADRID	400	1.75	700	46.5	400	1.75	700	44.8
NEWTON	60,400	1.75	104,900	8,707.0	57,600	1.85	106,600	8,262.0
NODAWAY	54,100	1.85	101,200	7,286.0	52,400	2.35	123,200	7,146.0
OREGON	22,200	2.00	44,100	3,572.0	21,500	1.85	39,800	3,045.0
OSAGE	45,500	1.90	87,500	6,213.0	43,000	1.95	83,800	5,196.0
OZARK	23,600	1.90	44,600	3,613.0	23,300	1.60	37,300	2,853.0
PEMISCOT	1,100	2.25	2,500	166.1	1,000	1.70	1,700	108.8
PERRY	28,400	2.15	60,800	4,317.0	27,100	2.40	64,900	4,024.0
PETTIS	46,300	1.90	89,100	6,326.0	43,700	1.95	85,200	5,282.0
PHELPS	24,400	1.70	41,700	2,961.0	22,200	1.85	41,100	2,548.0
PIKE	26,300	2.35	61,900	4,519.0	24,500	2.50	61,200	3,550.0
PLATTE	15,900	1.65	26,400	1,901.0	14,600	1.90	27,700	1,607.0
POLK	82,400	2.05	167,300	11,878.0	77,800	1.95	151,500	9,393.0
PULASKI	17,300	1.70	29,600	2,102.0	16,300	1.90	31,000	1,922.0
PUTNAM	54,800	1.55	86,200	6,120.0	53,100	2.15	114,100	6,504.0
RALLS	19,900	1.90	38,300	2,796.0	18,900	2.35	44,400	2,575.0
RANDOLPH	32,100	1.65	53,700	3,813.0	31,100	1.75	55,000	3,135.0
RAY	32,700	1.70	56,100	4,039.0	32,100	1.70	54,600	3,167.0
REYNOLDS	9,300	1.60	14,800	1,199.0	8,500	1.75	14,900	1,140.0
RIPLEY	13,400	1.30	17,300	1,401.0	13,000	1.30	16,900	1,293.0
ST. CHARLES	12,400	1.65	20,500	1,456.0	11,400	2.00	22,800	1,414.0
ST. CLAIR	46,800	1.75	82,200	5,425.0	45,900	1.80	82,600	5,310.0
STE. GENEVIEVE	22,900	1.85	42,400	3,010.0	21,800	2.00	43,600	2,703.0
ST. FRANCOIS	26,400	1.75	46,300	3,287.0	25,100	1.80	45,200	2,802.0
ST. LOUIS	3,500	1.75	6,100	433.0	3,300	1.70	5,600	347.0
SALINE	28,300	2.05	57,500	4,083.0	27,400	2.20	60,300	3,739.0
SCHUYLER	34,100	1.60	55,300	3,926.0	33,100	1.95	64,500	3,676.0
SCOTLAND	25,600	1.40	35,600	2,599.0	24,000	1.95	46,800	2,714.0
SCOTT	7,100	1.45	10,300	684.3	6,600	2.00	13,200	844.9
SHANNON	13,400	1.70	22,600	1,831.0	13,500	1.80	24,300	1,859.0
SHELBY	23,600	2.10	50,500	3,686.0	22,200	2.00	44,400	2,575.0
STODDARD	9,500	1.45	13,800	916.8	8,600	1.65	14,200	909.0
STONE	23,000	1.70	38,800	3,220.0	22,600	1.75	39,500	3,061.0
SULLIVAN	66,200	1.75	117,100	8,314.0	64,600	2.00	129,200	7,364.0
TANEY	13,000	1.70	22,000	1,782.0	12,100	1.60	19,400	1,484.0
TEXAS	62,000	1.60	98,600	7,987.0	60,000	1.75	104,700	8,009.0
VERNON	50,600	1.80	91,500	6,039.0	48,800	1.65	80,500	5,175.0
WARREN	12,400	1.95	24,100	1,711.0	11,700	2.15	25,200	1,562.0
WASHINGTON	15,800	1.65	26,200	1,860.0	15,100	1.75	26,400	1,637.0
WAYNE	8,800	1.70	14,900	1,207.0	8,500	1.75	14,900	1,140.0
WEBSTER	67,100	1.80	120,000	9,720.0	65,000	1.85	120,200	9,195.0
WORTH	21,400	1.75	37,800	2,722.0	21,500	2.30	49,500	2,871.0
WRIGHT	64,800	1.90	122,400	9,914.0	61,800	1.70	105,100	8,040.0
DISTRICTS								
NORTHWEST	419,000	1.75	734,000	52,848.0	406,000	2.10	854,000	49,532.0
NORTH CENTRAL	517,000	1.70	878,000	62,338.0	501,000	1.95	977,000	55,689.0
NORTHEAST	246,000	1.95	480,000	35,040.0	231,000	2.10	485,000	28,130.0
WEST CENTRAL	418,000	1.90	794,000	52,404.0	410,000	1.80	738,000	47,443.0
CENTRAL	785,000	1.85	1,441,000	102,311.0	741,000	1.95	1,437,000	89,094.0
EAST CENTRAL	293,000	1.80	528,000	37,488.0	279,000	2.00	558,000	34,596.0
SOUTHWEST	512,000	1.90	972,000	80,676.0	492,000	1.85	910,000	70,525.0
SOUTH CENTRAL	463,000	1.75	810,000	65,610.0	448,000	1.75	784,000	59,976.0
SOUTHEAST	77,000	1.65	127,000	8,439.0	72,000	1.70	122,000	7,808.0
STATE	**3,730,000**	**1.81**	**6,764,000**	**497,154**	**3,580,000**	**1.92**	**6,865,000**	**442,793.0**

1990 HAY PRODUCTION,
By Counties

TOP TEN COUNTIES

GREENE..... 156,700 tons
POLK..... 151,500 tons
LAWRENCE..... 147,600 tons
SULLIVAN..... 129,200 tons
JOHNSON..... 124,700 tons
NODAWAY..... 123,200 tons
WEBSTER..... 120,200 tons
HARRISON..... 118,400 tons
PUTNAM..... 114,100 tons
LINN..... 110,400 tons

These top ten counties represent 18.9% of the State's total hay production.

100,000 tons and Above
60,000-99,999 tons
25,000-59,999 tons
Under 25,000 tons

HAY STOCKS ON FARMS: Missouri, 1986-90

	1986	1987	1988	1989	1990
			-thousand tons-		
May 1	1,397	1,238	914	712	1,691
Dec 1	5,424	5,303	4,274	6,358	5,904

RICE STOCKS: Missouri, 1986-90 1/

	1986	1987	1988	1989	1990
			-thousand cwt-		
Mar. 1 2/	3,168	3,956	1,973	2,447	1,844
Aug. 1	2,514	2,500	418	447	308
Dec. 1	4,616	3,269	3,428	3,046	2,839

1/ Rough rice stocks in all positions.
2/ Survey date changed from April 1 to March 1 beginning March 1987.

OFF FARM STORAGE FACILITIES: Missouri, December 1, 1986-90

	1986	1987	1988	1989	1990
Number	612	610	608	609	600
Capacity *(thousand bushel)*	279,450	292,000	292,460	292,550	287,220

Grain Stocks: Missouri, 1986-1990

(thousand bushels)

CORN

On Farms

Date	1986	1987	1988	1989	1990
Mar. 1	92,752	143,000	112,000	70,000	**65,000**
June 1	79,112	103,000	74,000	45,000	**35,000**
Sep. 1	43,650	46,000	42,000	22,000	**18,000**
Dec. 1	200,000	165,000	110,000	125,000	**120,000**

Off Farms

Date	1986	1987	1988	1989	1990
Mar. 1	41,604	77,715	77,777	49,829	**42,028**
June 1	38,196	67,949	64,941	33,739	**26,110**
Sep. 1	53,603	64,737	51,757	23,160	**14,090**
Dec. 1	83,381	87,324	64,540	50,889	**36,242**

Total Stocks

Date	1986	1987	1988	1989	1990
Mar. 1	134,356	220,715	189,777	119,829	**107,028**
June 1	117,308	170,949	138,941	78,739	**61,110**
Sep. 1	97,253	110,737	93,757	45,160	**32,090**
Dec. 1	283,381	252,324	174,540	175,889	**156,242**

SORGHUM 1/

On Farms

Date	1986	1987	1988	1989	1990
Mar. 1	---	---	---	---	**9,500**
June 1	18,725	15,000	8,800	4,000	**3,400**
Sep. 1	6,450	10,000	5,500	2,500	**2,900**
Dec 1	---	---	---	---	**18,000**

Off Farms

Date	1986	1987	1988	1989	1990
Mar. 1	---	---	---	---	**17,193**
June 1	30,679	40,923	33,675	20,124	**11,641**
Sep. 1	32,732	36,443	28,763	16,697	**7,744**
Dec. 1	---	---	---	---	**14,351**

Total Stocks

Date	1986	1987	1988	1989	1990
Mar. 1	---	---	---	---	**26,693**
June 1	49,404	55,923	42,475	24,124	**15,041**
Sep. 1	39,182	46,443	34,263	19,197	**10,644**
Dec. 1	---	---	---	---	**32,351**

SOYBEANS

On Farms

Date	1986	1987	1988	1989	1990
Mar. 1	36,087	38,000	40,000	30,000	**32,000**
June 1	28,870	17,000	18,000	16,000	**13,500**
Sep. 1	12,000	6,000	6,000	8,800	**5,400**
Dec. 1	102,000	69,000	51,000	55,000	**47,000**

Off Farms

Date	1986	1987	1988	1989	1990
Mar. 1	33,154	44,686	32,079	26,281	**29,145**
June 1	24,181	31,689	17,979	14,576	**17,749**
Sep. 1	20,859	13,733	10,532	6,694	**7,523**
Dec. 1	54,890	53,325	42,813	53,522	**53,433**

Total Stocks

Date	1986	1987	1988	1989	1990
Mar. 1	69,241	82,685	72,079	56,281	**61,145**
June 1	53,051	48,689	35,979	30,576	**31,249**
Sep. 1	32,859	19,733	16,532	15,494	**12,923**
Dec. 1	156,890	122,325	93,813	108,522	**100,433**

WHEAT

On Farms

Date	1986	1987	1988	1989	1990
Mar. 1	4,493	2,100	1,500	1,100	**1,300**
June 1	2,496	1,500	900	400	**500**
Sep. 1	5,850	8,000	14,500	12,000	**17,000**
Dec. 1	3,600	2,800	6,500	6,200	**8,500**

Off Farms

Date	1986	1987	1988	1989	1990
Mar. 1	26,936	27,145	22,459	21,882	**10,554**
June 1	25,653	24,142	17,808	7,166	**4,518**
Sep. 1	33,559	29,722	47,537	27,433	**39,990**
Dec. 1	28,826	27,588	35,194	16,692	**31,849**

Total Stocks

Date	1986	1987	1988	1989	1990
Mar. 1	31,429	29,245	23,959	22,982	**11,854**
June 1	28,149	25,642	18,708	7,566	**5,018**
Sep. 1	39,409	37,722	62,037	39,433	**56,990**
Dec. 1	32,426	30,388	41,694	22,892	**40,344**

1/ Sorghum stocks estimates made only twice a year on June 1 and September 1, 1986 through 1989.

COMMERCIAL FERTILIZER:
Consumption by Kind and Primary Plant Nutrients, Missouri, 1986-90 1/

Item	1986	1987	1988	1989	1990
			-tons-		
Multiple Nutrient	442,713	395,492	434,525	432,861	423,238
Nitrogen Materials					
Ammonia					
Anhydrous	102,984	86,832	86,741	96,879	75,156
Aqua	474	0	0	0	0
Ammonium					
Nitrate	130,121	145,462	173,384	189,493	190,393
Sulfate	5,249	6,372	9,098	13,639	12,655
Nitrogen solutions	185,499	176,491	205,008	215,493	242,454
Sodium nitrate	518	248	173	50	2/
Urea	218,836	215,657	234,904	271,726	283,266
Other	3,855	4,534	2,379	4,881	5,507
Phosphate Materials					
Super Phosphates					
Over 22%	58,459	60,345	61,725	59,869	55,806
Phosphoric acid	2/	1,534	1,392	3,380	1,125
Other	2,045	349	590	554	2,151
Potash Materials					
Chloride, 60% and over	303,794	324,215	350,125	374,140	370,847
Other	4,788	3,829	4,013	14,330	15,400
Secondary and Micronutrient Materials					
Gypsum	2,646	849	875	1,767	1,160
Other	4,285	3,185	2,655	4,513	4,958
Total Fertilizer	1,466,317	1,425,397	1,567,599	1,683,575	1684,216
Primary Nutrients			-nutrient tons-		
N	347,768	331,593	364,475	402,015	397,752
Available P_2O_5	147,651	149,922	169,319	176,237	177,499
K_2O	224,321	225,922	243,561	252,508	247,188

1/ Figures furnished by Agricultural Experiment Station, University of Missouri-Columbia; Data also supplied by the National Fertilizer Development Center of the TVA. Fertilizer based on consumption for fiscal year ending June 30 of year shown.
2/ Included in "Other" category.

SELECTED HERBICIDES AND INSECTICIDES USED IN MISSOURI, 1990

CORN	PERCENT
Acres treated with herbicides	**91**
Treated acres by active ingredients	
Single materials	
Alachlor	6
Atrazine	17
Cyanazine	3
Dicamba	2
EPTC	1
Metolachlor	1
2, 4-D	2
Other	5
Combination Tank mixes	
Atrazine + alachlor	15
Atrazine + butylate	4
Atrazine + cyanazine	14
Atrazine + metachlor	14
Atrazine + others	4
Other 2-way mixes	2
3-way mixes	9
Acres treated with insecticides	32
Treatments by active ingredient	
Single materials	
Carbofuran	5
Chlorpyrifos	26
Fonofas	5
Permethrin	16
Terbufos	16
Other	32

SOYBEANS	PERCENT
Acres treated with herbicides	**91**
Treatments by active ingredients	
Single materials	
Alachlor	4
Bentazon	1
Chloramben	1
Chlorimuron	3
Clomazone	2
Fluazifop-P-butyl	1
Imazaquin	8
Imazethapyr	6
Metolachlor	3
Metribuzin	1
Pendimethalin	4
Sethoxydim	1
Trifluralin	11
Other	3
Combination mixes	
Trifluralin + clomazone	1
Trifluralin + imazaquin	8
Trifluralin + metribuzin	1
Pendimethalin + imazaquin	16
Other 2-way mixes	9
Other Combinations	12
Metribuzin + chlorimuron	2
Acifluofen + bentazon	1

SOURCE: USDA, ERS, AGRICULTURAL RESOURCES

FARM LABOR AND WAGE RATES, MISSOURI AND IOWA 1/ 1986-90

Year & Month	NUMBER OF WORKERS: Hired Workers	NUMBER OF WORKERS: Total Farm Workers	HIRED WORKERS: Hours Worked Per Worker	HIRED WORKERS: Farm Wage Rates per Type of Work: Field	Livestock	Combined Field & Livestock	All Hired Workers Hourly Rate 2/
	-thousand-			-dollars per hour-			
1986							
April	40	234	34.0	3.90	3.85	3.88	4.15
July	70	271	31.5	4.34	4.15	4.27	4.46
October	40	238	39.8	4.02	4.06	4.04	4.27
1987							
April	37	240	34.8	4.37	4.39	4.38	4.64
July	54	257	31.4	4.00	4.70	4.22	4.53
October	40	264	45.7	4.29	3.87	4.18	4.32
1988							
April	37	257	40.6	4.29	4.77	4.51	4.83
July	56	280	30.7	4.49	4.59	4.52	4.86
October	39	244	40.1	4.33	4.88	4.46	4.53
1989							
January	27	187	30.7	5.62	5.30	5.43	5.68
April	38	214	35.4	4.50	5.38	4.86	5.02
July	61	269	27.0	5.20	4.85	5.12	5.19
October	51	252	35.9	4.91	4.82	4.89	5.13
1990							
January	21	187	32.5	5.14	5.24	5.21	5.61
April	37	215	31.1	5.22	4.77	5.01	5.10
July	47	256	35.5	4.49	4.81	4.61	4.86
October	41	262	41.8	4.78	5.20	4.95	5.15

1/ Missouri and Iowa combined. No individual state estimates are available.
2/ Includes supervisory and other types of workers along with the field and livestock workers.

FRUITS: Production, Use and Value, Missouri, 1986-90

Year	Total	Utilized	Season Average Price	Value of Utilized Production
		-Apples-		
	-million pounds-		-cents per lb.-	-thous. dol.-
1986	37.0	37.0	20.5	7,597
1987	53.0	50.0	9.9	4,935
1988	56.0	54.0	17.2	9,295
1989	55.0	54.0	13.6	7,343
1990	**41.0**	**41.0**	**16.5**	**6,765**
		-Peaches-		
	-million pounds-		-cents per lb.-	-thous. dol.-
1986	9.5	9.5	21.0	1,995
1987	10.0	10.0	18.7	1,870
1988	11.0	11.0	22.5	2,475
1989	4.5	4.5	27.0	1,215
1990	**0.7**	**0.7**	**30.0**	**210**
		-Grapes-		
	-tons-		-dollars per ton-	-thous. dol.-
1986	2,900	2,900	310	899
1987	2,750	2,750	351	966
1988	3,250	3,250	311	1,011
1989	3,600	3,600	348	1,251
1990	**1,300**	**1,300**	**354**	**460**

FLORICULTURE:

	1986	1987	1988	1989	1990
Number of growers	132	158	159	172	170
Total greenhouse cover (1000 sq. ft.)	4,906	5,001	5,074	5,275	5,203
Wholesale value (1,000 dollars)	27,173	28,058	27,028	30,078	30,128

LIVESTOCK

1990 Missouri Livestock Summary

Highlights: Total cash receipts for 1990 Missouri livestock commodities increased 5 percent from the previous year. Cattle cash receipts totaled $909 million in 1990, down 2% from 1989. Cattle prices averaged $78.90 in 1990 compared to $72.80 in 1989. Hog numbers increased in 1990, and hog cash receipts rose to $560 million from $475 million in 1989. Sheep and lamb cash receipts totaled $4.5 million in 1990, down from $4.8 million in 1989. Cash receipts from milk totaled $406 million, compared with $388 million in 1989. The value of egg production during 1990 was $72.9 million, an increase of 9 percent over 1989. Turkey production continued to increase resulting in a 2 percent increase to $147.6 million in the value of production.

Hogs: The December 1, 1990 inventory of Missouri hogs and pigs was estimated at 2.80 million head, up 4 percent from 1989 and 2 percent below 1988. The number of operations with hogs was 16,000, the same as last year.

There were 635,000 sows farrowed in 1990, down 2 percent from 1989. The pig crop totaled 4.8 million pigs, down slightly from 1989. Pigs per litter averaged 7.54 pigs.

Cattle: Inventory of all cattle and calves on Missouri farms as of January 1, 1991 totaled 4.50 million head, 2 percent above 1990 but the same as 1989 and 2 percent below 1988.

There were 2.27 million head of cows and heifers that had calved in the state on January 1, 1991, up from the 2.19 million in 1990. Beef cows totaled 2.04 million, up 2 percent from January 1, 1989. Milk cows totaled 230,000 head, up 2 percent from last year. Missouri's 1990 calf crop totaled 2.07 million head, 1 percent above 1989 and 1988 and up 4 percent from 1987.

Milk Production: Missouri milk production was up 2 percent from 2.98 billion pounds in 1989 to 3.04 billion pounds in 1990. The average number of milk cows on hand during the year was 230,000 up 1 percent from last year. Milk cows produced an average of 13,217 pounds of milk per cow.

Butter production at 15.4 million pounds was up 2.9 percent from 1989. American type cheese showed a 10 percent decrease to 70.9 million pounds from 78.6 million pounds in 1989.

Sheep: Missouri's sheep and lambs totaled 134,000 head as of January 1, 1991. This is a 3 percent decrease from the 138,000 head as of January 1, 1990. The total value of all sheep and lambs on hand January 1, 1991 was $7.5 million, down 30% from last year. The average value per head was $56.00, down 28 percent from $78.00 in 1990.

Chickens and Eggs: Inventory of all chickens (excluding commercial broilers) on December 1, 1990 was 8.0 million birds, the same as 1989. Hens and pullets of laying age totaled 6.6 million, down from 6.5 million on December 1, 1989 The yearly egg production of 1.58 billion eggs was up 6 percent from 1990.

Turkeys: A record high 18.0 million turkeys were raised in 1990, up 4 percent from 1989. The average price was 41.0 cents per pound.

Broilers: During the 1990 season, Missouri set its fourth consecutive record annual high in the number of broilers raised. Broilers raised totaled 88.2 million head during 1990 and 70.1 million head during 1989. The number raised during the 1970's ranged between 20 to 25 million head.

LIVESTOCK RECORDS FOR MISSOURI:

Species	Record High Head	Year 1/	Record Low Head	Year 1/	Date Series Began
Cattle					
All cattle Jan. 1	6,800,000	1975	1,134,000	1867	1867
Beef cows Jan. 1	2,759,000	1975	280,000	1912	1900
Milk cows Jan. 1	1,115,000	1945	225,000	1985	1867
Cattle on feed Jan. 1	442,000	1969	85,000	1986	1950
Calf crop	2,840,000	1974	908,000	1927	1924
Milk					
Milk Production 2/ (annual)	4,600,000,000	1954	2,606,000,000	1924	1924
Hogs					
Inventory Dec. 1	5,405,000	1944	2,400,000	1935	1867
Pig Crop					
Spring	4,037,000	1943	1,588,000	1937	1924
Fall	4,352,000	1970	1,123,000	1934	1924
Sheep					
Inventory Jan. 1	1,780,000	1943	101,000	1986	1867
Lamb crop	1,298,000	1942	100,000	1988	1924
Wool production 2/ (annual)	11,052,000	1942	711,000	1985	1909
Layers and Egg Production					
Inventory Dec. 1 3/	31,231,000	1927	7,000,000	1983	1924
Egg Production 4/ (annual)	3,052,000,000	1944	1,149,000,000	1974	1925
Other Poultry					
Broilers Produced	**88,200,000**	**1990**	1,200,000	1934	1934
Turkeys Raised	**18,000,000**	**1990**	255,000	1930	1929

1/ These are the latest years that records were achieved. In some cases, these records were equaled in earlier years.
2/ Production in pounds.
3/ All chickens (excludes commercial broilers & turkeys).
4/ Production in eggs.

LIVESTOCK ON FARMS:
Missouri, January 1, 1987-91

Year	Milk Cows	Cattle and Calves on Feed
	-thousand head-	
1987	230	90
1988	231	110
1989	233	95
1990	226	90
1991	**230**	**105**

LIVESTOCK ON FARMS:
Number and Value, by Species, Missouri, January 1, 1987-91

Year	All Cattle and Calves			All Hogs and Pigs 1/			All Sheep and Lambs		
	Number	Value Per Head	Value Total	Number	Value Per Head	Value Total	Number	Value Per Head	Value Total
	-thous hd-	-dol-	-thous dol-	-thous hd-	-dol-	-thous dol-	-thous hd-	-dol-	-thous dol-
1987	4,600	390	1,794,000	2,850	88.50	252,225	110	65.50	7,205
1988	4,400	495	2,178,000	3,000	70.50	211,500	103	90.50	9,322
1989	4,400	550	2,420,000	2,850	63.50	180,975	125	73.00	9,125
1990	4,400	595	2,618,000	2,700	75.00	202,500	138	78.00	10,764
1991	**4,500**	**615**	**2,767,500**	**2,800**	**88.00**	**246,400**	**134**	**56.00**	**7,504**

1/ December 1 preceding year.

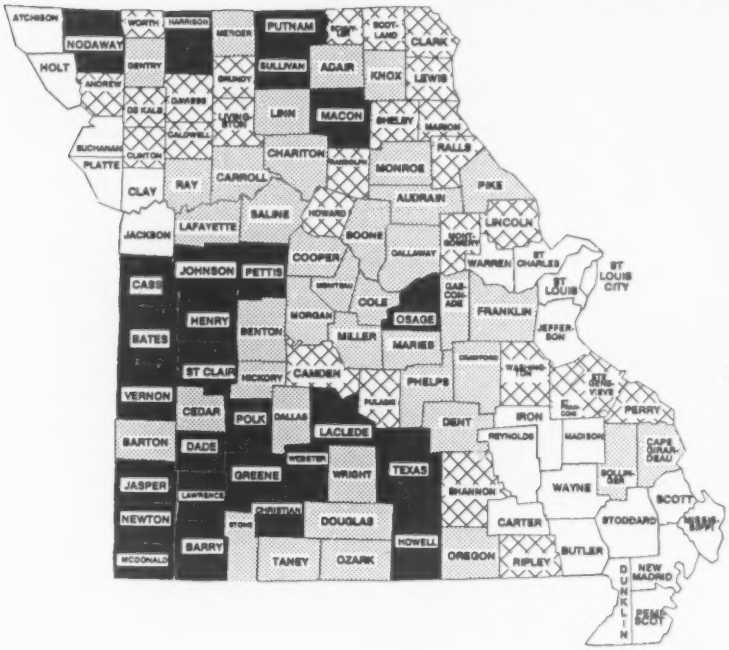
NUMBER OF LIVESTOCK OPERATIONS:
by Species, Missouri, 1986-90 1/

Year	Operations with Cattle	Operations with Beef Cows	Operations with Milk Cows	Operations with Hogs	Operations with Sheep
			-number-		
1986	96,000	76,000	10,500	19,000	3,900
1987	92,000	73,000	9,500	18,000	3,700
1988	87,000	70,000	9,000	17,000	3,500
1989	83,000	67,000	8,500	16,000	3,500
1990	**82,000**	**67,000**	**8,000**	**16,000**	**3,400**

1/ One or more head on hand at any time during year.

BEEF COW NUMBERS

By Counties, Jan. 1, 1991



TOP TEN COUNTIES

GREENE	42,600 head
LAWRENCE	42,500 head
BARRY	39,900 head
POLK	39,400 head
NODAWAY	38,900 head
HOWELL	38,200 head
JOHNSON	38,100 head
BATES	37,000 head
TEXAS	35,900 head
NEWTON	34,600 head

These top ten counties represent 19% of the State's total beef cow numbers.

25,000 head and Above

15,000 - 24,999 head

10,000 - $14,999 head

Under $10,000 head

MILK COW NUMBERS,

By Counties, Jan. 1, 1991

TOP TEN COUNTIES

WRIGHT	21,200 head
WEBSTER	15,900 head
LACLEDE	12,000 head
TEXAS	10,800 head
POLK	10,700 head
LAWRENCE	10,000 head
DOUGLAS	9,700 head
DALLAS	8,800 head
GREENE	8,400 head
BARRY	7,300 head

These top ten counties represent 49.9% of the State's total milk cow numbers.

3,000 head and Above

1,000 - 2,999 head

500 - 999 head

Under 500 head

ALL CATTLE:

BEEF AND MILK COWS:

By Counties, Missouri, January 1, 1990-91

County	BEEF COWS 1990	BEEF COWS 1991	MILK COWS 1990	MILK COWS 1991	ALL CATTLE 1990	ALL CATTLE 1991	ALL CATTLE VALUE 1990	ALL CATTLE VALUE 1991
	-head-		-head-		-head-		-thousand dollars-	
ADAIR	24,100	24,100	800	800	41,400	42,300	23,495	25,269
ANDREW	11,800	12,100	2,100	2,200	28,100	28,800	17,283	18,110
ATCHISON	9,600	9,900	50		21,600	22,100	11,943	12,987
AUDRAIN	14,500	15,200	700	700	42,000	43,400	23,739	25,860
BARRY	38,200	39,900	7,100	7,300	87,500	87,100	54,299	55,126
BARTON	21,900	23,400	1,900	1,800	49,000	50,100	28,626	30,395
BATES	35,300	37,000	3,200	3,200	80,600	84,700	47,426	51,472
BENTON	18,900	19,900	2,300	2,200	41,000	42,300	24,562	26,035
BOLLINGER	14,600	16,000	250	250	29,100	30,300	16,246	17,924
BOONE	17,300	17,900	200	200	37,300	38,000	20,225	22,416
BUCHANAN	7,300	7,400	1,100	1,100	17,500	17,700	10,585	10,992
BUTLER	5,200	5,400	50	50	8,600	8,600	4,836	5,076
CALDWELL	12,600	12,800	250	250	24,800	25,100	13,877	14,871
CALLAWAY	20,700	20,800	400	400	43,600	43,800	23,922	25,931
CAMDEN	12,600	13,200	1,300	1,400	26,400	27,800	15,660	17,086
CAPE GIRARDEAU	17,200	17,700	3,700	3,800	39,500	39,700	24,937	25,385
CARROLL	15,100	15,200	700	800	33,000	33,700	18,781	20,221
CARTER	4,200	4,500	50	50	7,100	7,200	3,954	4,254
CASS	24,200	25,300	2,200	2,100	50,800	52,000	29,379	31,675
CEDAR	21,700	22,700	1,200	1,100	41,700	44,000	24,058	26,431
CHARITON	18,100	18,000	500	450	44,400	45,200	24,890	26,780
CHRISTIAN	26,300	27,600	5,700	6,000	67,900	67,500	42,299	42,908
CLARK	11,100	11,400	150	100	18,900	19,500	10,541	11,502
CLAY	8,800	9,100	50	50	22,500	22,800	12,439	13,411
CLINTON	13,100	13,400	1,000	1,000	31,300	32,100	18,102	19,391
COLE	17,300	18,100	1,700	1,700	35,500	36,700	21,017	22,474
COOPER	20,500	21,300	700	700	51,900	54,300	29,193	32,259
CRAWFORD	16,700	17,100	300	250	28,100	28,800	15,793	17,043
DADE	28,700	29,900	1,800	1,700	59,500	59,600	34,324	35,917
DALLAS	18,100	18,800	8,800	8,800	56,500	58,800	36,624	39,334
DAVIESS	11,300	11,500	800	800	26,200	26,800	15,121	16,170
DEKALB	14,300	14,700	1,100	1,100	31,700	32,500	18,408	19,680
DENT	19,100	20,800	400	350	36,900	37,500	20,672	22,205
DOUGLAS	23,300	24,800	9,600	9,700	64,600	65,100	43,828	43,525
DUNKLIN	1,000	1,000	*	*	1,900	1,900	1,047	1,115
FRANKLIN	23,100	23,800	3,100	3,100	50,000	51,700	30,317	32,046
GASCONADE	14,600	15,200	900	800	29,500	30,700	17,135	18,460
GENTRY	17,200	17,800	450	400	35,000	35,800	19,668	21,234
GREENE	40,300	42,600	8,300	8,400	102,900	103,200	63,813	65,179
GRUNDY	10,200	10,300	700	700	21,100	21,900	12,225	13,239
HARRISON	28,200	28,800	600	600	54,700	56,100	30,650	33,260
HENRY	27,300	28,200	1,800	1,800	56,100	58,200	32,506	35,150
HICKORY	16,200	17,000	2,700	2,700	34,500	36,200	21,379	22,728
HOLT	6,300	6,400	100	100	14,300	14,400	7,964	8,508
HOWARD	14,100	14,500	300	300	31,900	32,400	17,777	19,184
HOWELL	35,600	38,200	6,800	6,900	90,900	91,500	55,915	57,490
IRON	4,800	5,200	50	50	10,600	10,600	5,883	6,250
JACKSON	9,000	9,300	600	700	20,200	20,500	11,644	12,417
JASPER	25,000	26,600	3,800	4,000	58,100	57,800	35,270	36,119
JEFFERSON	7,100	7,400	1,200	1,400	15,300	15,800	9,514	10,041
JOHNSON	36,500	38,100	1,500	1,500	76,800	80,100	43,598	47,842
KNOX	15,900	16,500	1,000	1,000	33,300	34,400	19,204	20,741
LACLEDE	27,100	28,000	11,200	12,000	72,800	76,200	50,215	51,300
LAFAYETTE	18,100	19,000	1,900	2,100	50,000	51,600	29,121	31,440
LAWRENCE	40,500	42,500	9,800	10,000	106,400	106,500	67,028	67,992
LEWIS	12,000	12,400	350	300	24,000	24,700	13,522	14,664
LINCOLN	11,700	12,000	1,400	1,500	32,300	33,000	18,831	20,193
LINN	21,700	21,800	1,100	1,200	45,300	46,400	25,901	27,895
LIVINGSTON	12,000	12,100	300	300	23,800	24,300	13,369	14,429
MCDONALD	25,400	26,900	2,600	2,500	53,200	53,300	31,540	32,657
MACON	26,400	26,400	600	600	49,300	50,600	27,675	30,032
MADISON	9,300	9,900	50	50	20,600	20,900	11,392	12,296
MARIES	21,900	23,100	800	700	41,900	44,200	24,266	26,330
MARION	11,300	11,800	1,300	1,300	27,300	28,300	16,156	17,324
MERCER	15,300	15,200	500	450	27,700	28,100	15,690	16,742

ALL CATTLE:

BEEF AND MILK COWS:
By Counties, Missouri, January 1, 1990-91

County	BEEF COWS 1990	BEEF COWS 1991	MILK COWS 1990	MILK COWS 1991	ALL CATTLE 1990	ALL CATTLE 1991	ALL CATTLE VALUE 1990	ALL CATTLE VALUE 1991
	-head-		-head-		-head-		-thousand dollars-	
MILLER	22,200	23,300	500	500	44,600	46,600	25,000	27,629
MISSISSIPPI	1,400	1,400	*	*	2,500	2,500	1,432	1,468
MONITEAU	22,800	23,700	900	800	47,400	48,400	26,831	28,850
MONROE	17,900	18,700	600	600	39,300	40,900	22,166	24,338
MONTGOMERY	9,800	10,000	50	50	20,900	20,800	11,171	12,237
MORGAN	18,100	18,700	1,700	1,600	37,300	38,500	22,008	23,476
NEW MADRID	500	500	*	*	1,100	1,000	551	587
NEWTON	33,200	34,600	5,100	5,200	74,900	74,600	45,641	46,638
NODAWAY	38,200	38,900	800	800	78,700	80,500	44,044	47,693
OREGON	22,500	24,300	2,300	2,200	51,100	51,800	30,126	31,612
OSAGE	29,300	30,400	1,500	1,400	59,100	61,100	33,847	36,633
OZARK	23,300	24,600	5,800	6,000	61,800	62,600	39,025	40,032
PEMISCOT	300	300	*	*	700	700	386	411
PERRY	13,700	14,200	2,600	2,600	38,100	39,300	23,221	24,493
PETTIS	25,000	25,600	1,300	1,300	56,500	58,100	32,187	34,818
PHELPS	17,100	17,300	200	200	30,900	31,300	17,195	18,483
PIKE	16,100	16,600	500	500	36,900	37,900	20,758	22,522
PLATTE	8,100	8,300	200	200	17,000	17,500	9,537	10,382
POLK	37,900	39,400	10,100	10,700	95,500	98,700	61,832	63,796
PULASKI	12,500	12,800	400	400	25,400	25,800	14,392	15,364
PUTNAM	26,600	26,500	700	600	51,000	52,100	28,698	30,912
RALLS	12,200	12,600	350	350	23,700	24,500	13,357	14,574
RANDOLPH	12,900	12,800	500	450	28,600	29,400	16,185	17,505
RAY	15,800	16,200	300	300	33,600	34,300	18,768	20,299
REYNOLDS	5,400	5,900	25	25	10,600	10,800	5,861	6,354
RIPLEY	10,300	10,800	50	50	20,600	20,500	11,392	12,061
SALINE	15,400	16,200	200	200	40,000	40,800	21,712	24,060
SCHUYLER	13,900	14,000	700	700	25,100	25,900	14,429	15,587
SCOTLAND	11,400	11,800	1,500	1,600	24,300	25,000	14,675	15,551
SCOTT	3,500	3,600	350	350	15,300	15,300	8,729	9,173
SHANNON	10,400	10,900	700	650	19,200	19,500	11,178	11,803
SHELBY	12,600	13,000	50	50	30,300	31,400	16,736	18,460
ST. CHARLES	5,400	5,700	900	1,000	15,300	16,000	9,257	9,940
ST. CLAIR	24,500	25,700	1,000	1,000	45,200	47,700	25,980	28,548
ST. FRANCOIS	12,500	13,100	600	550	25,300	26,600	14,618	15,916
ST. LOUIS	1,800	1,800	150	100	3,500	3,500	2,057	2,109
STE. GENEVIEVE	13,200	13,800	450	400	27,800	28,900	15,702	17,184
STODDARD	4,900	5,100	200	200	10,400	10,300	5,846	6,156
STONE	15,500	16,000	5,200	5,400	40,600	40,300	26,830	26,613
SULLIVAN	28,700	28,600	400	350	49,300	50,100	27,503	29,601
TANEY	14,700	15,700	700	700	28,400	28,900	16,247	17,348
TEXAS	33,800	35,900	10,600	10,800	82,400	83,100	54,493	54,693
VERNON	28,400	29,700	2,000	1,900	58,600	61,200	33,945	36,966
WARREN	5,700	5,800	100	100	12,800	12,900	6,972	7,627
WASHINGTON	9,700	10,100	50	50	21,100	22,000	11,833	12,942
WAYNE	5,700	6,000	25	25	10,700	10,900	5,916	6,412
WEBSTER	24,500	26,600	15,500	15,900	80,900	82,900	57,872	57,368
WORTH	12,400	12,700	100	100	23,000	23,500	12,757	13,836
WRIGHT	23,500	24,900	20,100	21,200	84,500	85,900	63,803	62,030
DISTRICTS								
NORTHWEST	215,000	220,000	9,000	9,000	460,000	470,000	261,146	280,827
NORTH CENTRAL	225,000	225,000	7,500	7,400	440,000	450,000	248,841	268,211
NORTHEAST	135,000	140,000	6,500	6,500	300,000	310,000	170,854	185,535
WEST CENTRAL	225,000	235,000	15,400	15,400	480,000	500,000	277,657	301,941
CENTRAL	405,000	420,000	47,200	48,200	910,000	940,000	541,844	578,185
EAST CENTRAL	145,000	150,000	11,800	11,900	320,000	330,000	186,421	200,231
SOUTHWEST	295,000	310,000	51,300	52,300	700,000	700,000	429,670	439,544
SOUTH CENTRAL	285,000	305,000	73,000	74,900	710,000	720,000	453,803	463,655
SOUTHEAST	34,000	35,000	4,300	4,400	80,000	80,000	47,764	49,370
STATE	**1,964,000**	**2,040,000**	**226,000**	**230,000**	**4,400,000**	**4,500,000**	**2,618,000**	**2,767,500**

* Milk Cows, less than 25 head

CATTLE AND CALVES:
Number on Farms, by Classes, Missouri, January 1, 1987-91

Class	1987	1988	1989	1990	1991
			-thousand head-		
All Cattle and Calves	4,600	4,400	4,400	4,400	4,500
All Cows That					
Have Calved	2,180	2,155	2,190	2,190	**2,270**
Beef Cows	1,950	1,924	1,957	1,964	**2,040**
Milk Cows	230	231	233	226	**230**
Heifers--500 Pounds & Over	550	540	565	625	**665**
Beef Cow Replacements	271	265	270	300	**330**
Milk Cow Replacements	97	95	89	102	**105**
Other	182	180	206	223	**230**
Steers--500 Pounds & Over	480	460	440	461	**440**
Bulls--500 Pounds & Over	100	100	105	110	**110**
Calves Under 500 Pounds	1,290	1,145	1,100	1,014	**1,015**

CATTLE AND CALVES:
Inventory, Calf Crop and Disposition, Missouri, 1986-90 1/

Year	On Hand January 1 All Cattle and Calves	On Hand January 1 All Cows That Have Calved	Calves Born	Inship-ments	Marketings 2/ Cattle	Marketings 2/ Calves	Farm Slaughter Cattle and Calves	Deaths Cattle	Deaths Calves
				-thousand head-					
1986	4,800	2,190	2,100	40	1,382	742	11	70	135
1987	4,600	2,180	2,000	40	1,273	760	12	65	130
1988	4,400	2,155	2,050	40	964	813	8	65	140
1989	4,400	2,190	2,050	40	979	915	6	65	125
1990	**4,400**	**2,190**	**2,070**	**40**	**825**	**960**	**10**	**75**	**140**

1/ Balance sheet estimates (in thousands). Total of marketings, farm slaughter, deaths, and on-hand at end of year equals total of calf crop, inshipments and on-hand beginning of year.
2/ Excludes interfarm sales within the state.

CATTLE AND CALVES:
Production and Income, Missouri, 1986-90 1/

Year	Production	Marketings	Price per 100 lbs Cattle	Price per 100 lbs Calves	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	-thousand pounds-		-dollars-			-thousand dollars-		
1986	1,345,740	1,461,880	50.80	60.80	711,130	772,981	20,359	793,340
1987	1,304,535	1,389,620	61.40	75.70	838,446	897,674	24,322	921,996
1988	1,221,355	1,186,610	68.60	87.80	904,454	883,366	25,388	908,754
1989	1,241,790	1,192,630	72.80	88.60	958,671	927,448	21,343	948,791
1990	**1,172,695**	**1,077,500**	**78.90**	**93.80**	**904,012**	**908,735**	**26,731**	**935,466**

1/ Production and marketings are thousands of pounds; price per 100 lbs. is in dollars; value of production, cash receipts, value of home consumption, and gross income are all in thousands of dollars.

ALL CATTLE:

Percents of Operations and Inventory, By Size Groups, Missouri, 1986-90

Year	1-49 Head		50-99 Head		100-499 Head		500 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory
	-percent-							
1986	67.7	23.9	17.7	23.9	14.1	45.7	0.5	6.5
1987	66.3	24.0	19.0	24.0	14.2	44.0	0.5	8.0
1988	67.0	23.0	18.0	23.0	14.4	45.6	0.6	8.4
1989	67.5	23.3	17.5	22.8	14.4	45.6	0.6	8.3
1990	**68.3**	**22.4**	**16.6**	**22.2**	**14.4**	**46.0**	**0.7**	**9.3**

BEEF COWS:

Percents of Operations and Inventory, By Size Groups, Missouri, 1986-90

Year	1-49 Head		50-99 Head		100 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory
	-percent-					
1986	85.5	51.7	10.5	24.4	4.0	23.8
1987	86.3	51.3	9.6	23.1	4.1	25.6
1988	85.0	49.5	10.7	25.0	4.3	25.5
1989	84.8	50.5	10.6	23.5	4.6	26.0
1990	**85.0**	**49.0**	**10.0**	**22.6**	**4.9**	**28.4**

MILK COWS:

Percents of Operations and Inventory, By Size Groups, Missouri, 1986-90

Year	1-29 Head		30-49 Head		50-99 Head		100 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory
	-percent-							
1986	67.1	11.9	12.4	21.9	17.2	45.7	3.3	20.5
1987	63.2	12.1	14.7	21.9	18.4	45.5	3.7	20.5
1988	62.2	11.1	15.0	22.1	18.9	46.0	3.9	20.8
1989	59.9	11.1	15.9	21.2	20.0	46.0	4.2	21.7
1990	**55.0**	**9.6**	**17.5**	**20.9**	**22.5**	**46.5**	**5.0**	**23.0**

MILK COWS:
Number on Farms, by Months, Missouri, 1986-90

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-thousand head-						
1986	244	244	243	241	240	239	233	232	230	228	228	228
1987	230	231	231	232	232	233	236	233	232	231	231	231
1988	231	230	229	229	229	228	227	226	228	231	233	234
1989	233	232	232	230	229	227	225	225	225	227	228	228
1990	**227**	**227**	**227**	**229**	**231**	**232**	**231**	**231**	**230**	**231**	**230**	**230**

MILK PRODUCTION:
Average per Milk Cow, by Months, Missouri, 1986-90

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-pounds-						
1986	970	880	1,030	1,120	1,170	1,070	1,080	1,070	1,010	1,020	990	1,010
1987	1,015	930	1,070	1,140	1,160	1,070	1,105	1,050	1,040	1,050	1,010	1,040
1988	1,045	995	1,105	1,188	1,205	1,090	1,120	1,095	1,055	1,050	1,040	1,080
1989	1,075	975	1,110	1,185	1,210	1,090	1,090	1,070	1,025	1,065	1,045	1,085
1990	**1,120**	**1,025**	**1,185**	**1,200**	**1,220**	**1,090**	**1,070**	**1,070**	**1,015**	**1,070**	**1,065**	**1,110**

MILK PRODUCTION:
Total Milk Produced, by Months, Missouri, 1986-90

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-million pounds-						
1986	237	215	250	270	281	256	252	248	232	233	226	230
1987	233	215	247	264	269	249	261	245	241	243	233	240
1988	241	229	253	272	276	249	254	247	241	243	242	253
1989	250	226	258	273	277	247	245	241	231	242	238	247
1990	**254**	**233**	**269**	**275**	**282**	**253**	**247**	**247**	**233**	**247**	**245**	**255**

MILK COWS AND PRODUCTION OF MILK AND MILKFAT:
Annual Averages, Missouri, 1986-90

		Per Milk Cow			Total	
Year	Milk Cows	Milk	Milkfat	Milkfat Test	Milk	Milkfat
	-thous head-	-pounds-		-percent-	-million pounds-	
1986	236	12,415	451	3.63	2,930	106
1987	232	12,672	463	3.65	2,940	107
1988	230	13,043	477	3.66	3,000	110
1989	228	13,048	480	3.68	2,975	110
1990	**230**	**13,217**	**480**	**3.63**	**3,040**	**103**

MILK DISPOSITION, INCOME AND VALUE: Missouri, 1986-90

Year	MILK USED WHERE PRODUCED: Used For Milk, Cream and Butter	MILK USED WHERE PRODUCED: Fed to Calves	MILK MARKETED BY PRODUCERS: Milk Marketed	MILK MARKETED BY PRODUCERS: Price per Cwt.	MILK MARKETED BY PRODUCERS: Cash Receipts	Gross Producer Income	Value of Milk Produced
	million pounds			dollars	thousand dollars		
1986	15	48	2,867	12.30	352,641	354,486	360,390
1987	15	45	2,880	12.40	357,120	358,980	364,560
1988	15	45	2,940	12.20	358,680	360,510	366,000
1989	15	40	2,920	13.30	388,360	390,355	395,675
1990	**15**	**40**	**2,985**	**13.60**	**405,960**	**408,000**	**413,440**

MANUFACTURED DAIRY PRODUCTS:
Quantity by Type, Missouri, 1986-90

Year	Butter	American Type Cheese	Total Cheese 1/	Cottage Cheese Curd 2/	Ice Cream 3/
	-thousand pounds-				-thous gal-
1986	21,927	69,268	152,581	18,898	20,631
1987	17,297	60,918	148,261	15,525	22,165
1988	14,430	75,593	181,850	4/	18,556
1989	14,979	78,604	191,757	19,220	15,481
1990	**15,416**	**70,874**	**189,505**	**16,573**	**13,460**

1/ Excluding cottage cheese.
2/ Mostly used for processing into fully creamed or lowfat cottage cheese.
3/ Includes both hard and soft ice cream.
4/ Not published to avoid disclosure of individual plant operations.

HONEY:
Production and Value, Missouri, 1986-90 1/

Year	Number of Colonies	Yield Per Colony	Production	Price Per Pound	Value of Production
	-thous.-	-lbs.-	-thous. lbs.-	-cents-	-thous. dol.-
1986	30	53	1,590	46	731
1987	30	65	1,950	48	936
1988	30	80	2,400	61	1,464
1989	33	62	2,046	56	1,146
1990	**30**	**63**	**1,890**	**53**	**1,002**

1/ For producers with five or more colonies.

HOG NUMBERS,
By Counties, December 1, 1990

TOP TEN COUNTIES

LAFAYETTE. . 101,900 head
OSAGE. . . . . 100,400 head
PIKE. . . . . 95,700 head
NODAWAY. . . . 90,800 head
PETTIS. . . . . 87,700 head
SHELBY. . . . . 87,500 head
SALINE. . . . . 85,100 head
MONROE. . . . . 76,800 head
LINCOLN. . . . . 71,900 head
FRANKLIN . . . 61,500 head

These top ten counties represent 31% of the State's total hog numbers.

50,000 head and Above
25,000 - 49,999 head
10,000 - 24,999 head
Under 10,000 head

HOGS AND PIGS:
Production and Income, Missouri, 1986-90

Year	Production	Marketings	Price per 100 Pounds	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	-thousand pounds-		-dollars-		-thousand dollars-		
1986	1,109,867	1,115,039	49.20	555,888	558,670	3,542	562,212
1987	1,129,585	1,105,401	50.70	584,990	573,007	3,285	576,292
1988	1,192,119	1,190,689	42.00	510,405	510,260	2,722	512,982
1989	1,078,222	1,110,887	42.10	460,134	474,581	2,671	477,252
1990	**1,039,718**	**1,026,557**	**53.80**	**566,259**	**560,394**	**3,086**	**563,480**

Inventory, Pig Crop and Disposition, Missouri, 1986-90 1/

Year	On Hand December 1 Preceding Year	PIG CROP Dec-May	PIG CROP Jun-Nov	Inshipments	Marketings 2/	Farm Slaughter	Deaths
				-thousand head-			
1986	3,050	2,445	2,447	8	4,900	10	190
1987	2,850	2,588	2,607	8	4,830	9	214
1988	3,000	2,714	2,487	12	5,100	9	254
1989	2,850	2,500	2,355	20	4,786	9	230
1990	**2,700**	**2,396**	**2,385**	**32**	**4,485**	**8**	**220**

1/ Balance sheet estimates. Total of marketings, farm slaughter, deaths and on-hand end of year equals total of pig crop, inshipments and on-hand beginning of year. Disposition items for the 12-month period December preceding year through November of year shown.

2/ Excludes interfarm sales.

HOGS AND PIGS:

Total Inventory, Breeding And Market Numbers, Market Numbers by Weight Groups, Quarterly, Missouri, 1986-90

Year	Total Number	For Breeding	Total Market	Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180 Lbs. & Over
				-thousand head-			
				March 1			
1986	2,800	410	2,390	920	580	530	360
1987	2,750	440	2,310	925	570	465	350
1988	2,900	455	2,445	1,035	570	475	365
1989	2,800	425	2,375	980	555	465	375
1990	**2,550**	**370**	**2,180**	**850**	**510**	**450**	**370**
				June 1			
1986	2,900	400	2,500	1,215	580	380	325
1987	3,000	450	2,550	1,325	540	360	325
1988	3,000	450	2,550	1,270	565	380	335
1989	2,850	390	2,460	1,130	590	405	335
1990	**2,900**	**410**	**2,490**	**1,160**	**600**	**390**	**340**
				September 1			
1986	2,750	390	2,360	1,000	570	420	370
1987	3,000	425	2,575	1,045	635	510	385
1988	3,150	435	2,715	1,125	660	520	410
1989	2,800	385	2,415	1,020	560	445	390
1990	**2,750**	**400**	**2,350**	**990**	**540**	**430**	**390**
				December 1			
1986	2,850	420	2,430	990	600	470	370
1987	3,000	435	2,565	1,060	620	485	400
1988	2,850	410	2,440	895	585	535	425
1989	2,700	360	2,340	900	590	485	365
1990	**2,800**	**405**	**2,395**	**985**	**600**	**455**	**355**

HOGS AND PIGS:

Percents of Operations and Inventory, By Size Groups, Missouri, 1986-90

Year	1-99 Head		100-499 Head		500 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory
			-percent-			
1986	63.2	12.1	30.0	43.1	6.8	44.8
1987	63.9	12.0	28.9	39.0	7.2	49.0
1988	63.0	11.3	29.4	39.7	7.6	49.0
1989	63.0	10.5	29.0	38.5	8.0	51.0
1990	**62.0**	**10.0**	**29.5**	**39.0**	**8.5**	**51.0**

HOGS AND PIGS

On Farms, By Counties, Missouri, December 1, 1989-90

COUNTY	1989	1990	1989 Value	1990 Value
	-head-		-thous dol-	
ADAIR	11,300	11,000	848	968
ANDREW	31,200	32,200	2,340	2,834
ATCHISON	19,000	19,600	1,425	1,725
AUDRAIN	59,600	60,400	4,470	5,315
BARRY	9,200	9,200	690	810
BARTON	14,100	14,100	1,058	1,241
BATES	22,600	21,600	1,695	1,901
BENTON	12,800	14,400	960	1,267
BOLLINGER	21,100	22,600	1,583	1,989
BOONE	20,900	23,400	1,568	2,059
BUCHANAN	14,200	14,500	1,065	1,276
BUTLER	4,800	5,000	360	440
CALDWELL	22,500	23,300	1,688	2,050
CALLAWAY	24,900	27,900	1,868	2,455
CAMDEN	2,300	2,500	173	220
CAPE GIRARDEAU	33,600	35,600	2,520	3,133
CARROLL	44,000	44,100	3,300	3,881
CARTER	4,500	5,100	338	449
CASS	21,800	21,300	1,635	1,874
CEDAR	9,600	9,500	720	836
CHARITON	52,600	52,900	3,945	4,655
CHRISTIAN	1,900	1,900	143	167
CLARK	28,300	29,700	2,123	2,614
CLAY	8,300	8,400	623	739
CLINTON	35,600	35,800	2,670	3,150
COLE	21,500	23,700	1,613	2,086
COOPER	54,500	61,300	4,088	5,394
CRAWFORD	6,600	6,600	495	581
DADE	10,100	10,100	758	889
DALLAS	2,900	3,400	218	299
DAVIESS	19,000	19,200	1,425	1,690
DE KALB	27,600	27,600	2,070	2,429
DENT	6,000	6,500	450	572
DOUGLAS	3,100	3,200	233	282
DUNKLIN	2,000	2,200	150	194
FRANKLIN	60,600	61,500	4,545	5,412
GASCONADE	23,000	23,500	1,725	2,068
GENTRY	34,000	34,600	2,550	3,045
GREENE	4,300	4,200	323	370
GRUNDY	26,500	26,600	1,988	2,341
HARRISON	25,700	25,900	1,928	2,279
HENRY	26,800	25,800	2,010	2,270
HICKORY	5,800	6,100	435	537
HOLT	20,100	20,100	1,508	1,769
HOWARD	24,900	28,600	1,868	2,517
HOWELL	17,500	18,600	1,313	1,637
IRON	600	700	45	62
JACKSON	4,700	4,400	353	387
JASPER	4,600	4,800	345	422
JEFFERSON	2,900	2,900	218	255
JOHNSON	34,600	32,000	2,595	2,816
KNOX	32,800	32,600	2,460	2,869
LACLEDE	5,200	5,800	390	510
LAFAYETTE	105,600	101,900	7,920	8,967
LAWRENCE	7,700	7,700	578	678
LEWIS	28,300	32,800	2,123	2,886
LINCOLN	70,400	71,900	5,280	6,327
DISTRICTS				
NORTHWEST	395,000	400,000	29,625	35,200
NORTH CENTRAL	270,000	270,200	20,250	23,760
NORTHEAST	505,000	520,000	37,875	45,760
WEST CENTRAL	260,000	250,000	19,500	22,000
CENTRAL	580,000	650,000	43,500	57,200
LINN	34,600	34,600	2,595	3,045
LIVINGSTON	17,300	17,500	1,298	1,540
McDONALD	42,500	42,500	3,188	3,740
MACON	32,100	32,200	2,408	2,834
MADISON	12,300	13,500	923	1,188
MARIES	20,300	22,700	1,523	1,998
MARION	39,400	41,200	2,955	3,626
MERCER	5,700	5,700	428	502
MILLER	42,300	48,400	3,173	4,259
MISSISSIPPI	10,100	10,700	758	942
MONITEAU	38,900	43,300	2,918	3,810
MONROE	75,800	76,800	5,685	6,758
MONTGOMERY	44,900	45,400	3,368	3,995
MORGAN	42,900	47,500	3,218	4,180
NEW MADRID	3,600	3,900	270	343
NEWTON	4,200	4,100	315	361
NODAWAY	89,700	90,800	6,728	7,990
OREGON	19,900	21,300	1,493	1,874
OSAGE	89,900	100,400	6,743	8,835
OZARK	8,000	8,400	600	739
PEMISCOT	800	900	60	79
PERRY	40,500	41,000	3,038	3,608
PETTIS	77,200	87,700	5,790	7,718
PHELPS	4,100	4,400	308	387
PIKE	93,400	95,700	7,005	8,422
PLATTE	12,600	12,700	945	1,118
POLK	9,300	10,900	698	959
PULASKI	2,300	2,500	173	220
PUTNAM	8,400	8,200	630	722
RALLS	39,900	39,300	2,993	3,458
RANDOLPH	14,800	14,500	1,110	1,276
RAY	22,100	21,500	1,658	1,892
REYNOLDS	4,800	5,100	360	449
RIPLEY	3,600	3,800	270	334
ST. CHARLES	38,300	38,500	2,873	3,388
ST. CLAIR	13,500	13,000	1,013	1,144
ST. FRANCOIS	3,700	3,700	278	326
ST. LOUIS	700	700	53	62
STE. GENEVIEVE	31,400	31,800	2,355	2,798
SALINE	77,100	85,100	5,783	7,489
SCHUYLER	8,100	8,100	608	713
SCOTLAND	23,200	24,000	1,740	2,112
SCOTT	14,300	14,900	1,073	1,311
SHANNON	3,800	4,000	285	352
SHELBY	84,300	87,500	6,323	7,700
STODDARD	15,800	16,800	1,185	1,478
STONE	1,400	1,400	105	123
SULLIVAN	14,600	14,600	1,095	1,285
TANEY	1,400	1,500	105	132
TEXAS	3,900	4,200	293	370
VERNON	20,800	20,500	1,560	1,804
WARREN	37,600	38,000	2,820	3,344
WASHINGTON	4,400	4,500	330	396
WAYNE	6,400	6,800	480	598
WEBSTER	15,400	16,500	1,155	1,452
WORTH	13,400	13,800	1,005	1,214
WRIGHT	7,700	8,200	578	722
EAST CENTRAL	365,000	370,000	27,375	32,560
SOUTHWEST	100,000	100,000	7,500	8,800
SOUTH CENTRAL	140,000	150,000	10,500	13,200
SOUTHEAST	85,000	90,000	6,375	7,920
STATE	**2,700,000**	**2,800,000**	**202,500**	**246,400**

SPRING PIG CROP:

Sows Farrowed, Pigs Per Litter and Pig Crop, Missouri, 1986-90

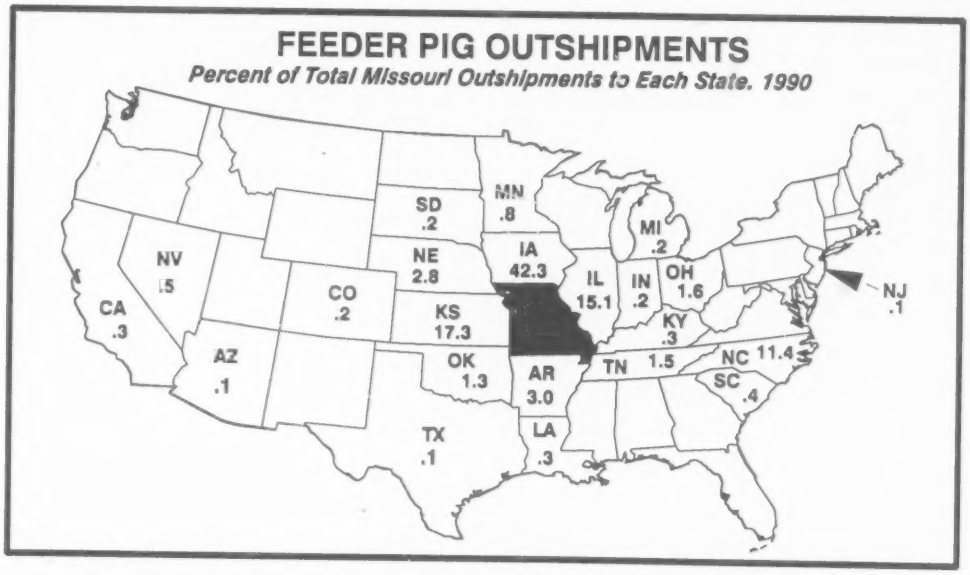
Year	Sows Farrowed			Pigs Per Litter			Pig Crop		
	Dec 1/-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May	Dec-Feb	Mar-May	Dec-May
	-thousands-			-head-			-thousands-		
1986	140	180	320	7.50	7.75	7.64	1,050	1,395	2,445
1987	145	200	345	7.50	7.50	7.50	1,088	1,500	2,588
1988	160	200	360	7.40	7.65	7.54	1,184	1,530	2,714
1989	155	180	335	7.30	7.60	7.46	1,132	1,368	2,500
1990	**130**	**180**	**310**	**7.70**	**7.75**	**7.73**	**1,001**	**1,395**	**2,396**

1/ December preceding year.

FALL PIG CROP:

Sows Farrowed, Pigs Per Litter and Pig Crop, Missouri, 1986-90

Year	Sows Farrowed			Pigs Per Litter			Pig Crop		
	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov	Jun-Aug	Sep-Nov	Jun-Nov
	-thousands-			-head-			-thousands-		
1986	150	170	320	7.70	7.60	7.65	1,155	1,292	2,447
1987	165	185	350	7.50	7.40	7.45	1,238	1,369	2,607
1988	175	160	335	7.40	7.45	7.42	1,295	1,192	2,487
1989	155	160	315	7.50	7.45	7.48	1,163	1,192	2,355
1990	**150**	**175**	**325**	**7.50**	**7.20**	**7.34**	**1,125**	**1,260**	**2,385**



FEEDER PIGS SHIPPED OUT OF MISSOURI, By Months, 1986-90 1/

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	-number of head-												
1986	50,763	32,288	36,368	43,963	57,074	61,473	58,090	37,464	36,477	41,274	27,793	44,984	528,011
1987	45,242	25,806	44,463	43,992	50,324	50,803	40,081	41,991	36,496	33,443	28,488	48,001	489,130
1988	38,160	36,402	39,852	36,941	45,662	57,537	46,840	42,972	44,906	33,238	44,985	51,241	518,736
1989	41,705	37,075	35,919	45,049	52,614	52,701	41,588	38,431	37,703	40,972	38,101	38,687	500,545
1990	**43,760**	**37,220**	**36,104**	**54,293**	**46,975**	**51,686**	**55,959**	**42,271**	**37,437**	**48,998**	**48,747**	**58,685**	**562,135**

1/ Source:Missouri Department of Agriculture, Animal Health Division.

POULTRY:

EGGS:
Production and Value, Missouri, 1986-90

Year 1/	Eggs Produced	Price Per Dozen	Value of Production
	-millions-	-cents-	-thous. dol.-
1986	1,397	46.0	53,552
1987	1,525	39.6	50,325
1988	1,526	36.5	46,416
1989	1,485	54.0	66,825
1990	**1,580**	**55.4**	**72,943**

1/ Estimates cover the 12 month period, Dec. 1 previous year through Nov. 30.

COMMERCIAL BROILERS:
Production and Value, Missouri, 1986-90

Year 1/	Number Produced	Production	Price per Pound	Value of Production
	-thous. head-	-thous. lbs.	-cents-	-thous. dol.-
1986	44,900	193,070	36.0	69,505
1987	50,400	221,760	30.0	66,528
1988	54,500	239,800	33.0	79,134
1989	70,100	308,440	38.0	117,207
1990	**88,200**	**361,620**	**34.0**	**122,951**

1/ Twelve month period beginning December 1 of the previous year.

CHICKENS:
Number on Farms, by Classes, Missouri, December 1, 1986-90

Year	All Chickens (Except Broilers)	Hens and Pullets of Laying Age: Hens 1 year & Older	Hens and Pullets of Laying Age: Pullets of Laying Age	Hens and Pullets of Laying Age: Total	Pullets Not of Laying Age: 3 Months Old or Older	Pullets Not of Laying Age: Under 3 Months Old	Other Chickens
			-thousand head-				
1986	8,000	2,700	3,600	6,300	750	870	80
1987	8,700	2,500	4,600	7,100	1,000	500	100
1988	7,900	3,100	2,800	5,900	830	1,100	70
1989	8,000	2,700	3,800	6,500	530	900	70
1990	**8,000**	**3,000**	**3,550**	**6,550**	**450**	**910**	**90**

CHICKENS:
Lost, Sold, and Value of Sales, Missouri, 1986-1990 1/

Year	Number Lost 2/	Number Sold	Pounds Sold	Price Per Pound	Value of Sales
	-thousand head-		-thous lbs-	-cents-	-thous dol-
1986	1,100	4,000	20,000	12.0	2,400
1987	1,100	5,000	22,500	13.0	2,925
1988	1,050	5,500	22,000	13.0	2,860
1989	950	4,500	18,000	13.0	2,340
1990	**960**	**4,000**	**16,000**	**7.0**	**1,120**

1/ Estimates cover the 12 month period, December 1 previous year through November 30 and excludes broilers.
2/ Includes deaths and other losses during the 12 month period.

TURKEYS:
Production and Value, Missouri, 1986-90

Year	Number Raised 1/	Pounds Produced 2/	Price Per Pound 3/	Value of Production
	-thous head-	-thous lbs-	-cents-	-thous dol-
1986	13,500	260,550	45.0	117,248
1987	15,500	310,000	35.0	108,500
1988	16,500	334,950	40.0	133,980
1989	17,300	352,920	41.0	144,697
1990	**18,000**	**360,000**	**41.0**	**147,600**

1/ Based on turkeys placed Sept. 1 previous year through Aug. 31 current year. Excludes young turkeys lost.
2/ Includes home consumption.
3/ Live weight equivalent price.

LAYERS ON FARMS:

Average Number, by Months, Missouri, 1986-90

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-thousands-						
1986	5,920	5,899	5,831	5,870	5,860	5,750	5,730	5,760	5,890	6,050	6,200	6,300
1987	6,300	6,320	6,240	6,060	5,975	6,095	6,220	6,210	6,250	6,500	6,900	7,000
1988	6,735	6,610	6,415	6,140	6,000	5,825	5,725	5,700	5,775	5,900	5,925	5,910
1989	6,035	6,225	6,235	6,145	6,185	6,250	6,200	6,185	6,185	6,225	6,400	6,456
1990	**6,485**	**6,565**	**6,505**	**6,370**	**6,300**	**6,200**	**6,185**	**6,310**	**6,375**	**6,425**	**6,500**	**6,570**

EGG PRODUCTION:

Eggs per 100 Layers, by Months, Missouri, 1986-90

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-number of eggs-						
1986	1,824	1,780	2,127	2,044	2,099	1,983	1,972	2,031	1,935	2,000	2,000	2,095
1987	2,079	1,883	2,131	2,096	2,092	1,936	1,994	2,029	1,984	2,015	1,957	1,971
1988	2,094	1,997	2,167	2,150	2,200	2,129	2,114	1,982	1,939	2,085	2,008	1,980
1989	1,939	1,815	2,053	2,050	2,102	2,016	2,097	2,037	1,956	2,008	1,969	2,060
1990	**2,020**	**1,843**	**2,121**	**2,025**	**2,079**	**2,081**	**2,118**	**2,076**	**2,008**	**2,148**	**2,154**	**2,100**

EGG PRODUCTION:

Number of Eggs Produced, by Months, Missouri, 1986-90

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						-million eggs-						
1986	108	105	124	120	123	114	113	117	114	121	124	132
1987	131	119	133	127	125	118	124	126	124	131	135	138
1988	141	132	139	132	132	124	121	113	112	123	119	117
1989	117	113	128	126	130	126	130	126	121	125	126	133
1990	**131**	**121**	**138**	**129**	**131**	**129**	**131**	**131**	**128**	**138**	**140**	**138**

EGG-TYPE CHICKS:

Number Hatched at Commercial Hatcheries, by Months, Missouri, 1986-90

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
							-thousands-						
1986	655	722	1,528	1,815	1,448	1,056	1,236	1,087	980	727	672	650	12,576
1987	762	866	1,521	1,174	1,393	1,424	1,168	1,118	746	730	902	939	12,743
1988	602	680	1,194	1,297	1,198	835	843	976	942	886	719	634	10,806
1989	726	624	1,051	1,320	1,138	763	886	732	947	785	545	651	10,168
1990	**307**	**455**	**789**	**1,145**	**873**	**944**	**675**	**696**	**743**	**451**	**596**	**805**	**8,479**

SHEEP AND LAMBS:

Number on Farms, by Classes and Lamb Crop, Missouri, January 1, 1987-91

Year	ALL SHEEP & LAMBS	SHEEP & LAMBS ON FEED	STOCK SHEEP					LAMB CROP
			LAMBS		1 YEAR & OLDER			
			Ewes	Rams & Wethers	Ewes	Rams & Wethers	Total	
			-thousand head-					
1987	110	8	13	5	80	4	102	100
1988	103	11	10	2	76	4	92	100
1989	125	16	14	3	87	5	109	110
1990	138	18	12	3	100	5	120	110
1991	**134**	**17**	**12**	**3**	**95**	**7**	**117**	**---**

SHEEP AND LAMBS:

Number on Farms and Value, by Districts, Missouri, January 1, 1989-91

District	1989 Total		1990 Total		1991 Total	
	Number	Value	Number	Value	Number	Value
	-thous-	-thous dol-	-thous-	-thous dol-	-thous-	-thous dol-
Northwest	21.4	1,562	23.1	1,802	22.5	1,260
North Central	30.0	2,190	32.0	2,496	31.5	1,764
Northeast	23.7	1,730	26.6	2,075	25.5	1,428
West Central	8.5	620	9.9	772	9.5	532
Central	17.2	1,256	19.6	1,529	18.5	1,036
East Central	7.8	569	8.8	686	8.5	476
Southwest	6.5	475	6.9	538	6.5	364
South Central & Southeast	9.9	723	11.1	866	11.5	644
State	**125.0**	**9,125.0**	**138.0**	**10,764**	**134.0**	**7,504**

SHEEP AND LAMBS:

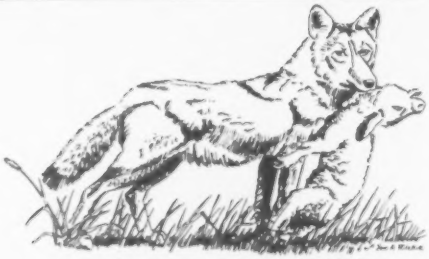
Production and Income, Missouri, 1986-90

Year	Production	Marketings	Price per 100 lbs.		Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
			Sheep	Lambs				
	-thousand pounds-		-dollars-		-thousand dollars-			
1986	8,045	7,465	30.50	68.00	5,173	4,924	153	5,077
1987	7,985	8,757	37.00	76.00	5,492	5,918	180	6,098
1988	8,379	6,383	27.50	62.00	4,762	3,865	124	3,989
1989	9,340	7,849	24.30	62.90	5,247	4,833	127	4,960
1990	**9,283**	**9,992**	**19.70**	**50.80**	**4,252**	**4,467**	**63**	**4,530**

WOOL:

Production and Value, Missouri, 1986-90

Year	Sheep Shorn	Weight per Fleece	Wool Produced	Season Average Price Per Pound	Value of Production
	-thous head-	-pounds-	-thous lbs-	-cents-	-thous dol-
1986	101	7.1	715	46	329
1987	118	7.0	830	57	473
1988	115	6.8	777	74	575
1989	126	7.1	889	75	667
1990	**120**	**7.3**	**876**	**42**	**368**



SHEEP AND LAMBS:
Losses From All Causes and By Predators, Number, Percent, and Value, Missouri, 1990

Item	Losses From All Causes	Losses by Predators: Coyotes		Dogs		Other		Total	Value Per Head	Total Value
	-head-	-head-	-percent-	-head-	-percent-	-head-	-percent-	-head-	-dollars-	-dollars-
Sheep	4,500	500	50.0	400	40.0	100	10.0	1,000	67	67,000
Lambs	16,100	1,500	62.5	800	33.3	100	4.2	2,400	30	72,000

CATFISH SALES:
1989 AND 1990

Category	Number of Fish 1989	Number of Fish 1990	Total Pounds Sold 1989	Total Pounds Sold 1990	Total Value of Sales 1989	Total Value of Sales 1990	Avg. Weight 1989	Avg. Weight 1990	Avg. Value per Pound 1989	Avg. Value per Pound 1990
	-thousands-				-thousand dollars-		-pounds-		-dollars-	
Hatchery Operations										
Stockers	149	568	25	61	50	80	.17	.11	2.00	1.31
Fingerlings	4,143	5,731	248	258	159	493	.06	.05		
Production Operations										
Large Fish	13	9	44	35	58	51	3.38	3.89	1.32	1.46
Medium Fish	598	902	1,220	1,562	1,006	1,318	2.04	1.73	0.82	0.84
Small Fish	762	782	951	729	664	570	1.25	0.93	0.70	0.78
Stockers	488	213	46	28	105	64	0.09	0.13	2.28	2.29
Total	**6,123**	**8,205**	**2,534**	**2,673**	**2,041**	**2,576**	**6.99**	**6.84**	**7.12**	**6.68**

CATFISH INVENTORY
January 1, 1990-91

Category	Number of Fish 1990	Number of Fish 1991	Liveweight of Fish 1990	Liveweight of Fish 1991	Average Liveweight 1990	Average Liveweight 1991
	-thousands-		-thousand pounds-		-pounds-	
Hatchery Operations						
Broodfish	35	18	210	90	6.00	5.00
Stockers	954	1,281	124	242	0.13	0.19
Fingerlings	5,564	5,668	64	94	0.01	0.02
Production Operations						
Large Fish	52	135	190	534	3.65	3.96
Medium Fish	667	725	1,135	1,311	1.70	1.80
Small Fish	709	1,910	652	1,801	0.92	0.94
Stockers	4,752	22,707	2,098	4,693	0.44	0.21
Fingerlings	19,542	13,138	187	133	0.01	0.01
Total	**32,275**	**45,582**	**4,660**	**8,896**	**12.86**	**12.13**

COMMERCIAL LIVESTOCK SLAUGHTER:

Number of Head and Liveweight, By Species, by Month, Missouri, 1989-90

Month	Cattle						Calves					
	Number		Average Liveweight		Total Liveweight		Number		Average Liveweight		Total Liveweight	
	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
	-thous head-		-pounds-		-thous pounds-		-thous head-		-pounds-		-thous pounds-	
Jan	38.7	27.9	1,096	1,073	42,373	29,981	0.4	0.4	279	323	119	125
Feb	26.7	21.3	1,097	1,083	29,276	23,123	0.4	0.3	254	266	93	77
Mar	34.0	28.9	1,088	1,098	37,046	31,711	0.4	0.4	268	328	115	123
Apr	33.4	25.9	1,099	1,089	36,664	28,197	0.4	0.3	287	325	104	98
May	35.5	25.8	1,092	1,082	38,753	27,976	0.3	0.3	388	304	120	101
Jun	30.1	24.5	1,116	1,077	33,570	26,362	0.3	0.3	290	332	88	90
Jul	25.0	23.2	1,130	1,093	28,233	25,354	0.3	0.3	286	306	76	94
Aug	24.1	27.8	1,143	1,095	27,561	30,482	0.2	0.3	285	271	70	86
Sep	22.6	27.1	1,126	1,063	25,455	28,791	0.3	0.3	271	256	93	76
Oct	29.0	33.4	1,103	1,046	32,036	34,923	0.3	0.3	238	335	74	110
Nov	27.9	32.9	1,104	1,050	30,813	34,486	0.4	0.3	182	361	68	122
Dec	26.0	28.0	1,089	1,024	28,363	29,283	0.4	0.3	312	361	127	125
Total	**353.0**	**327.4**	**1,105**	**1,071**	**390,142**	**350,717**	**4.1**	**3.9**	**277**	**315**	**1,148**	**1,229**

Month	Hogs						Sheep and Lambs					
	Number		Average Liveweight		Total Liveweight		Number		Average Liveweight		Total Liveweight	
	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
	-thous head-		-pounds-		-thous pounds-		-thous head-		-pounds-		-thous pounds-	
Jan	298.3	287.0	248	246	74,051	70,576	1.2	2.0	113	119	131	234
Feb	269.0	250.8	245	245	65,898	61,474	0.9	1.3	117	110	110	140
Mar	334.3	303.6	246	244	82,087	74,010	1.3	1.5	119	108	149	166
Apr	329.5	304.2	250	245	82,391	74,621	0.7	1.7	110	112	82	195
May	307.0	302.0	251	247	76,951	74,741	1.2	1.4	115	105	133	146
Jun	304.1	180.4	248	246	75,401	44,401	1.5	1.7	110	101	166	175
Jul	276.7	159.7	243	241	67,314	38,466	1.3	2.6	112	101	147	259
Aug	311.1	197.0	242	240	75,348	47,236	2.0	2.4	116	100	232	242
Sep	315.7	162.4	244	240	76,935	38,983	1.7	1.8	114	101	194	184
Oct	324.0	230.8	246	242	79,669	55,843	1.2	2.0	118	97	147	197
Nov	307.7	211.4	250	248	77,026	52,398	1.2	2.6	114	94	137	247
Dec	264.5	208.8	248	248	65,606	51,807	1.6	3.3	122	97	197	321
Total	**3,641.8**	**2,797.9**	**247**	**245**	**898,676**	**684,557**	**15.8**	**24.4**	**115**	**103**	**1,825**	**2,506**

LIVESTOCK SLAUGHTER:

Number of Federally Inspected Plants and Head Slaughtered, Missouri, 1986-90

Year	Cattle		Hogs	
	Plants	Head Slaughtered	Plants	Head Slaughtered
	-number-	-thousands-	-number-	-thousands-
1986	111	419.9	104	3,580.1
1987	107	346.5	99	3,818.4
1988	103	362.2	95	4,029.9
1989	98	315.2	90	3,596.8
1990	**89**	**288.9**	**82**	**2,751.7**

LIVESTOCK SLAUGHTER:

Type of Market Outlet, Missouri, 1985-89

	CATTLE		CALVES		HOGS		SHEEP & LAMBS	
	Non-Public Markets	Terminals & Auctions	Non-Public Markets	Terminals & Auctions	Non-Public Markets	Terminals & Auctions	Non-Public Markets	Terminals & Auctions
	-percent-							
1985	55.7	44.3	3.5	96.5	84.3	15.7	0.1	99.9
1986	54.2	45.8	2.7	97.3	78.9	21.1	0.1	99.9
1987	47.7	52.3	5.0	95.0	84.6	15.4	0.4	99.6
1988	52.3	47.7	9.0	91.0	85.0	15.0	0.0	100.0
1989 1/	**45.7**	**54.3**	**11.5**	**88.5**	**82.4**	**17.6**	**0.0**	**100.0**

1/ Preliminary

Source: Packers and Stockyards Administration, USDA

FARM INCOME & PRICES

Cash Receipts: Missouri farm marketings totalled $3.9 billion in 1990, up slightly from 1989. Livestock and livestock products were up 5 percent, totaling $2,270.6 billion. Crop receipts totaled $1.67 billion, a decline of 5 percent from 1989.

Livestock Prices: The market year average price for hogs increased 2 percent to $53.80 per hundredweight in 1990 from $42.10 per hundredweight in 1989. Hog prices peaked in May, reaching an average price of $61.00. The beef cattle market year price was up 8 percent from 1989's price of $72.80 to $78.90 per hundredweight. The year's peak price was $82.20 in August and the lowest price was $75.30 in May. Cows averaged $52.10 per hundredweight, up 4 percent from $50.20 per hundredweight in 1989, with a peak price of $56.80 in April. Calf prices increased in 1990 to $93.80 per hundredweight, up 6 percent from $88.60 in 1989. Steer and heifer prices averaged $84.60 per hundredweight, 6 percent above 1989's $79.50 average. The highest price was recorded in December at $87.00 per hundredweight and a low of $80.60 per hundredweight was recorded in February. Average sheep prices at $19.70 per hundredweight were down 19 percent from a year earlier. Lamb prices averaged $50.80 per hundredweight, down from $62.90 in 1989. Milk prices averaged $13.60 per hundredweight, up $0.30 from 1989. A high of $15.80 was recorded in January. The low of $11.30 was reached in December following a counter-seasonal price decline that began in September. Egg prices averaged $0.55 per dozen up 1 percent from 1989.

Crop Prices: The 1990 market year average prices for major crops in Missouri other than wheat changed only slightly from the previous year. The preliminary average wheat price of $2.70 for the 1990 wheat marketing year (June 1990-May 1991) is down 27 percent from the previous year average of $3.72. During the 1990 calendar year wheat monthly average prices fell from a high of $3.91 in January to a low of $2.26 in November.

A preliminary corn price average of $2.35 per bushel is estimated for the 1990 corn marketing year (September 1990-August 1991), down 3 cents from the previous year. The highest monthly average corn price during the calendar year was set in June at $2.82, while the low mark came in October at $2.18.

The 1990 market year average price for soybeans (Sept.-Aug.) was $5.70 per bushel, up from $5.60 in 1989. Monthly prices throughout the calendar year fluctuated between the low of $5.53 in February and the high of $6.01 in August and September.

Sorghum averaged $3.90 per hundredweight for the 1990 marketing year (Sept.-Aug.), 4 cents above the 1989 average. Sorghum prices for the calendar year peaked in June at $4.39 and bottomed in November at $3.53. The average market year price for all hay fell 12 percent from the 1989 price level to $64.50 per ton. The average price for cotton increased to 65.3 cents per pound from 64.7 cents in the 1989 marketing year. The 1990 market year price for cottonseed was $107.00 per ton, up $12.00 from the previous year.

Export Values: The value of Missouri agricultural exports totaled $1,096.6 million in 1990 down from $1,227.0 million in 1989 -- a decrease of 12 percent. Soybeans and soybean products totalled $333.8 million, down from $421.4 million in 1989, Feed grains and grain products were the second leading export category with a total of $315.7 million, up 5% from 1989.

Farm Finance: The debt-to-asset ratio for all farms in Missouri for 1989 was 0.168 compared with 0.180 in 1988. The debt-to-asset ratio is considered a primary measure of whether a farm will have cash flow difficulties. It is computed by dividing the total of all debts by the total of all assets. As a general rule farmers with debt-to-asset ratios of less than 40 do not have serious financial problems. Based on 1989 data, 4 percent of Missouri farms had a debt-to-asset ratio above 0.40.

PRICES RECEIVED:

Average Prices Received by Farmers For Principal Commodities, Missouri, 1986-90 1/

Commodity	1986	1987	1988	1989	1990	
			-dollars-			
Sheep, cwt.	30.50	37.00	27.50	24.30	**19.70**	
Lambs, cwt.	68.00	76.00	62.00	62.90	**50.80**	
Wool, lb.	.46	.57	.74	.75	**.42**	
Calves, cwt.	60.80	75.70	87.80	88.60	**93.80**	
Beef Cattle, cwt.	50.80	61.40	68.60	72.80	**78.90**	
Hogs, cwt.	49.20	50.70	42.00	42.10	**53.80**	
Milk, Wholesale, All, cwt.	12.30	12.40	12.20	13.30	**13.60**	
Eggs (all), doz.	.460	.396	.365	.540	**.554**	
Turkeys, lb.	.450	.350	.400	.410	**.410**	
Broilers, lb.	.345 2/	.300	.330	.380	**.340**	
Soybeans, bu.	4.61	5.70	7.45	5.60	**5.70**	
Corn, bu.	1.45	1.82	2.63	2.38	**2.35**	
Wheat (winter), bu.	2.37	2.53	3.45	3.72	**2.70**	
Grain Sorghum, cwt.	2.23	2.67	4.27	3.86	**3.90**	
All Hay, ton	55.00	58.50	78.00	73.50	**64.50**	
Cotton, lb.	.515	.660	.535	.647	**.653**	
Cottonseed, ton	63.00	71.00	110.00	95.00	**107.00**	
Oats, bu.	1.05	1.55	3.25	1.65	**1.20**	
Tobacco, lb.	1.548	1.568	1.548	1.625	**1.742**	
Rice, cwt.	3.57	7.41	7.22	7.54	**6.50**	2/

1/ Price is marketing year average price. See back cover for months included in marketing year average for various crops.
2/ Price based on U.S. price.

PRICES RECEIVED:

Prices Received by Farmers for Specified Commodities, By Months, Missouri,1986-90

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						All Farm Products Index						
						1977=100						
1986	111	113	113	110	113	113	117	119	115	111	112	109
1987	111	114	116	118	120	122	123	124	124	120	121	122
1988	127	129	128	130	133	137	143	145	142	142	140	143
1989	146	145	144	138	140	142	142	140	137	138	141	140
1990	**154**	**151**	**150**	**151**	**154**	**152**	**152**	**150**	**148**	**146**	**145**	**143**
						All Hogs						
						-dollars per cwt-						
1986	44.00	42.50	40.10	39.50	46.00	52.60	58.60	61.60	57.10	52.80	52.20	49.50
1987	46.40	47.56	47.20	50.90	54.10	58.60	59.30	58.80	53.50	48.40	40.30	40.20
1988	43.00	45.70	42.10	41.60	46.60	46.30	43.50	44.00	40.10	38.10	35.80	39.30
1989	40.70	40.40	39.40	36.60	40.70	44.70	45.40	45.40	43.10	45.90	43.80	47.60
1990	**47.30**	**48.10**	**50.00**	**55.00**	**61.00**	**60.70**	**60.20**	**55.40**	**53.00**	**56.20**	**49.90**	**47.30**
						Barrows and Gilts						
						-dollars per cwt-						
1986	45.10	43.20	40.30	39.60	46.60	53.90	60.50	62.80	57.60	53.20	52.80	50.90
1987	46.90	48.30	47.80	51.40	55.00	60.90	61.30	60.40	54.10	48.80	40.90	41.20
1988	44.50	47.30	43.20	42.30	47.50	48.00	45.40	45.60	41.30	38.90	36.70	40.60
1989	41.70	41.00	39.90	37.20	41.70	46.20	47.30	46.90	44.00	46.70	44.70	48.80
1990	**47.70**	**48.50**	**50.30**	**55.40**	**61.70**	**61.20**	**61.40**	**55.90**	**53.40**	**56.60**	**50.10**	**47.70**

PRICES RECEIVED:

Prices Received by Farmers for Specified Commodities, By Months, Missouri, 1986-90 (Cont.)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						Sows						
						-dollars per cwt-						
1986	37.70	38.40	38.30	38.80	41.50	45.70	50.00	54.90	54.30	49.60	47.80	42.10
1987	43.60	42.20	42.30	45.80	46.50	46.00	47.80	49.50	48.90	44.60	35.00	31.60
1988	33.60	36.00	35.10	34.60	36.80	32.70	31.40	33.40	32.00	31.10	27.40	28.10
1989	32.90	34.40	34.00	31.20	32.90	33.70	33.50	35.50	36.30	39.70	37.30	39.60
1990	**42.70**	**43.20**	**46.50**	**49.80**	**52.90**	**49.90**	**47.30**	**47.60**	**44.90**	**47.40**	**42.10**	**38.60**
						Beef Cattle						
						-dollars per cwt-						
1986	50.40	50.30	51.00	48.40	47.50	46.20	50.40	54.20	53.60	51.60	51.90	49.60
1987	54.60	58.00	59.60	60.70	58.80	59.30	61.00	63.60	66.20	64.00	66.80	63.50
1988	69.90	70.10	70.00	70.80	68.70	60.90	65.30	68.90	67.90	71.00	69.60	68.70
1989	74.20	74.00	71.10	68.70	67.70	70.40	72.80	73.50	72.70	74.70	76.40	71.80
1990	**75.50**	**76.00**	**75.90**	**78.00**	**75.30**	**80.90**	**80.60**	**82.20**	**80.70**	**79.70**	**79.30**	**78.00**
						Steers and Heifers						
						-dollars per cwt-						
1986	57.50	56.80	56.30	53.50	52.90	52.20	55.90	59.60	59.90	59.00	59.10	58.80
1987	61.50	64.90	65.50	67.90	68.00	68.80	68.70	71.20	73.60	72.20	73.70	71.60
1988	76.80	79.10	79.00	79.80	77.80	69.90	72.90	77.10	75.40	79.00	78.90	78.60
1989	79.90	80.20	78.50	75.40	75.50	78.50	78.90	80.90	79.70	80.50	82.20	79.90
1990	**81.00**	**80.60**	**81.70**	**83.40**	**83.90**	**85.60**	**85.60**	**86.40**	**85.10**	**84.90**	**86.30**	**87.00**
						Cows						
						-dollars per cwt-						
1986	34.50	38.80	39.00	35.90	36.60	37.30	36.70	36.80	39.00	37.50	34.90	36.50
1987	40.60	43.80	44.70	44.40	43.30	44.20	44.60	44.40	47.00	44.50	44.40	45.10
1988	48.40	51.40	50.80	53.00	51.20	42.30	47.70	50.80	48.10	46.90	47.60	47.90
1989	50.20	51.80	48.50	49.50	48.70	50.70	50.40	51.50	54.10	49.20	48.00	52.00
1990	**53.40**	**52.50**	**52.90**	**56.80**	**54.80**	**56.10**	**53.50**	**54.30**	**52.00**	**49.80**	**47.10**	**48.60**
						Calves						
						-dollars per cwt-						
1986	60.20	62.60	61.90	59.20	58.40	55.40	58.90	63.20	62.10	61.40	61.20	60.90
1987	65.20	69.80	72.00	74.90	74.30	73.80	77.50	81.90	82.60	78.40	80.10	80.00
1988	85.90	88.90	90.60	91.90	89.30	77.40	83.30	91.20	88.80	89.50	86.00	86.00
1989	89.90	90.20	90.00	86.50	87.00	90.40	90.20	94.20	92.40	89.10	86.30	84.30
1990	**87.10**	**90.40**	**94.70**	**97.50**	**99.70**	**97.20**	**94.40**	**96.60**	**92.10**	**92.60**	**93.10**	**94.30**
						Turkeys						
						-cents per pound-						
1986	33.0	34.0	36.0	38.0	41.0	47.0	51.0	52.0	52.0	53.0	51.0	39.0
1987	34.0	35.0	38.0	35.0	37.0	34.0	34.0	33.0	31.0	29.0	41.0	42.0
1988	34.0	30.0	28.0	30.0	32.0	38.0	48.0	48.0	53.0	57.0	51.0	39.0
1989	33.0	37.0	40.0	44.0	47.0	46.0	42.0	44.0	36.0	37.0	43.0	40.0
1990	**33.0**	**35.0**	**36.0**	**36.0**	**39.0**	**39.0**	**41.0**	**43.0**	**45.0**	**47.0**	**45.0**	**45.0**
						Market Eggs						
						-cents per dozen-						
1986	48.8	44.4	49.9	37.4	37.7	30.8	40.8	47.8	47.9	40.3	51.1	50.1
1987	40.3	40.3	37.7	39.3	31.0	30.3	33.2	30.5	47.5	30.8	38.3	28.6
1988	31.8	26.8	32.4	26.7	27.0	28.9	40.1	42.7	47.2	41.4	40.0	42.6
1989	42.8	43.1	69.2	49.0	45.8	49.6	47.5	57.8	54.1	54.1	68.0	69.9
1990	**67.1**	**51.6**	**66.6**	**50.1**	**37.0**	**46.9**	**40.5**	**40.7**	**51.8**	**58.3**	**59.0**	**60.5**

PRICES RECEIVED:

Prices Received by Farmers for Specified Commodities, By Months, Missouri, 1986-90 (Cont.)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
						Milk, Wholesale, All						
						-dollars per cwt-						
1986	12.40	12.30	12.00	11.70	11.80	11.70	11.80	12.00	12.40	12.90	13.30	13.40
1987	13.30	13.00	12.50	12.30	11.80	11.80	11.80	12.00	12.50	12.80	12.80	12.70
1988	12.80	12.50	11.90	11.70	11.30	11.30	11.20	11.60	12.20	12.90	13.30	13.60
1989	13.50	13.50	12.60	12.30	12.00	12.10	12.30	12.80	13.50	14.40	15.20	15.80
1990	**15.80**	**14.90**	**13.80**	**13.10**	**13.40**	**13.50**	**13.80**	**14.20**	**14.10**	**13.10**	**12.50**	**11.30**
						Corn						
						-dollars per bushel-						
1986	2.21	2.25	2.30	2.36	2.38	2.37	1.96	1.59	1.35	1.29	1.38	1.43
1987	1.46	1.47	1.49	1.53	1.67	1.69	1.61	1.42	1.43	1.47	1.56	1.65
1988	1.73	1.82	1.84	1.95	1.98	2.54	2.81	2.74	2.65	2.57	2.56	2.67
1989	2.72	2.69	2.71	2.68	2.71	2.61	2.52	2.33	2.26	2.22	2.28	2.34
1990	**2.37**	**2.37**	**2.44**	**2.60**	**2.73**	**2.82**	**2.76**	**2.62**	**2.34**	**2.18**	**2.21**	**2.32**
						Soybeans						
						-dollars per bushel-						
1986	4.99	5.10	5.19	5.10	5.26	5.16	5.09	4.94	4.75	4.46	4.48	4.48
1987	4.41	4.57	4.66	4.79	5.20	5.32	5.23	5.02	4.94	4.95	5.16	5.65
1988	5.69	6.04	6.06	6.39	6.93	8.21	8.57	8.29	7.98	7.57	7.40	7.71
1989	7.75	7.47	7.56	7.24	7.20	7.10	6.84	6.09	5.70	5.37	5.56	5.61
1990	**5.55**	**5.53**	**5.61**	**5.74**	**5.97**	**5.86**	**5.94**	**6.01**	**6.01**	**5.81**	**5.71**	**5.67**
						Winter Wheat						
						-dollars per bushel-						
1986	3.11	3.08	3.19	3.35	3.20	2.34	2.22	2.32	2.24	2.54	2.59	2.49
1987	2.77	2.78	2.80	2.74	2.61	2.46	2.32	2.47	2.44	2.63	2.66	2.76
1988	2.92	3.02	2.84	2.81	2.80	3.29	3.29	3.46	3.51	3.72	3.84	4.01
1989	3.98	4.06	4.07	3.98	3.87	3.75	3.68	3.69	3.73	3.82	3.92	3.93
1990	**3.91**	**3.81**	**3.69**	**3.61**	**3.56**	**3.13**	**2.74**	**2.58**	**2.38**	**2.35**	**2.26**	**2.45**
						All Hay						
						-dollars per ton-						
1986	60.00	60.00	59.00	58.00	56.00	55.00	52.00	55.00	55.00	54.00	54.00	55.00
1987	56.00	55.00	55.00	55.00	55.00	55.00	55.00	57.00	57.00	58.00	59.00	60.00
1988	61.00	61.00	61.00	60.00	61.00	72.00	73.00	76.00	80.00	80.00	81.00	81.00
1989	82.00	85.00	82.00	82.00	83.00	79.00	75.00	72.00	71.00	71.00	73.00	75.00
1990	**75.00**	**70.00**	**67.00**	**67.00**	**62.00**	**58.00**	**59.00**	**58.00**	**62.00**	**64.00**	**67.00**	**69.00**
						Sorghum						
						-dollars per cwt-						
1986	3.28	3.72	3.79	3.73	4.32	3.86	3.32	2.44	2.25	1.98	2.01	1.97
1987	2.06	2.45	2.71	2.38	2.33	2.58	2.27	2.32	2.38	2.38	2.50	2.82
1988	2.89	3.14	3.18	3.19	3.10	4.05	4.46	4.34	4.26	4.21	3.96	4.40
1989	4.46	4.51	4.63	4.34	4.37	4.29	4.01	4.02	3.85	3.57	3.80	3.80
1990	**3.77**	**3.86**	**3.92**	**4.08**	**4.26**	**4.39**	**4.26**	**4.38**	**4.11**	**3.73**	**3.53**	**3.87**

PRICES PAID:

Average Prices Paid by Farmers for Selected Items, Specified Dates, Corn Belt, 1990 1/

Item	January	April	July	October
			-dollars-	
L.P. Gas, Bulk Del., per gallon	1.08	0.60	0.60	0.90
Diesel Fuel, Bulk Del., per gallon	1.05	0.82	0.74	1.23
Gasoline, Service Sta., unleaded, per gallon	1.06	1.05	1.04	1.36
Gasoline, Bulk Del., leaded, per gallon	1.11	1.11	1.09	1.43
Bran, per cwt	10.10	9.90	10.00	10.00
Middlings, per cwt	9.50	9.40	9.70	8.90
Cottonseed Meal, 41%, per cwt	16.00	15.90	16.30	16.30
Soybean Meal, 44%, per cwt	12.10	11.30	12.10	12.00
Corn Meal, per cwt	5.90	6.40	6.60	6.40
Hog Feed, 14-18%, per ton 2/	207.00	209.00	214.00	209.00
Hog Concentrate, 38-42%, per ton 2/	305.00	292.00	300.00	300.00
Beef Cattle Concentrate, 32-36%, per ton 2/	279.00	260.00	272.00	274.00
Dairy Feed, 14%, per ton	178.00	176.00	182.00	172.00
Dairy Feed, 16%, per ton	196.00	187.00	192.00	187.00
Dairy Concentrate, 32%, per ton	295.00	279.00	288.00	291.00
Chick Starter, per ton	249.00	246.00	262.00	243.00
Laying Feed, per ton	219.00	213.00	229.00	216.00
Broiler Grower, per ton	243.00	230.00	238.00	229.00
Turkey Grower, per ton	230.00	230.00	239.00	247.00
Molasses, per cwt	10.40	10.50	10.80	10.70
Stock salt, 50 lb. 2/	3.30	3.40	3.50	3.50

1/ IL, IN, IA, MO, and OH.
2/ Previously published in cwt.

FEEDER PIG PRICES PAID: Quarterly, Missouri, 1986-90

Year	February	May	August	November
		-dollars per cwt-		
1986	68.00	75.00	105.00	100.00
1987	100.00	96.00	94.00	79.00
1988	90.00	95.00	60.00	58.00
1989	70.00	68.00	62.00	78.00
1990	**93.00**	**112.00**	**93.00**	**99.00**

PRICES RECEIVED FOR MILK COWS MISSOURI, 1986-90 1/

Year	January	April	July	October
		-dollars per head-		
1986	750	770	760	810
1987	810	840	900	950
1988	920	940	880	940
1989	960	980	970	990
1990	**1,070**	**1,080**	**1,120**	**1,130**

1/ Milk cows sold for dairy herd replacement only.

MARKETING OF MAJOR CROPS:

Estimated Percent of Farm Sales, Monthly, Missouri, 1985-86 thru 1989-90

Marketing Year	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
						-Corn-						
1985-86	10	20	15	15	12	3	3	4	5	3	4	6
1986-87	12	12	11	13	9	7	8	6	4	5	6	7
1987-88	17	15	7	6	12	8	9	5	4	6	4	7
1988-89	23	14	6	6	10	7	8	5	6	5	4	6
1989-90	**18**	**21**	**9**	**6**	**13**	**6**	**6**	**7**	**4**	**3**	**3**	**4**
						-Soybeans-						
1985-86	3	11	14	19	20	6	8	5	4	4	3	3
1986-87	4	10	17	13	19	9	8	7	4	3	3	3
1987-88	7	32	9	5	15	8	7	5	4	3	3	2
1988-89	5	25	12	8	15	5	7	4	5	6	3	5
1989-90	**4**	**24**	**11**	**7**	**13**	**8**	**10**	**7**	**6**	**3**	**3**	**4**
						-Sorghum-						
1985-86	8	24	18	15	10	5	6	3	7	1	1	2
1986-87	15	13	14	8	6	8	8	3	3	3	5	14
1987-88	44	20	7	3	4	4	5	5	1	3	2	2
1988-89	33	23	9	6	10	5	5	1	2	2	2	2
1989-90	**19**	**22**	**13**	**4**	**9**	**5**	**7**	**8**	**5**	**3**	**2**	**3**

Marketing Year	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
						-Wheat-						
1985-86	25	57	5	4	1	2	1	2	1	1	1	-
1986-87	59	16	5	3	2	1	3	4	1	3	2	1
1987-88	58	8	7	4	2	5	4	6	2	3	1	-
1988-89	51	16	9	4	2	3	4	6	1	2	1	1
1989-90	**27**	**45**	**11**	**5**	**2**	**2**	**1**	**3**	**1**	**1**	**1**	**1**

Marketing Year	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
						-All Hay-						
1985-86	4	22	8	7	6	3	3	13	9	13	10	2
1986-87	3	21	6	6	6	3	3	13	9	14	13	3
1987-88	4	12	11	6	5	6	8	9	12	15	9	3
1988-89	4	14	13	8	7	6	7	8	10	12	8	3
1989-90	**4**	**18**	**16**	**5**	**5**	**3**	**7**	**7**	**9**	**13**	**10**	**3**

Missouri Agricultural Exports:

RANKING BY COMMODITY GROUP FISCAL YEAR 1990 1/

Commodity Group	United States	Missouri	Ranking
		-million dollars-	
Total	40,181.8	1,096.6	9th
Soybeans and products	5,271.8	333.8	6th
Rice	829.7	25.7	6th
Dairy products	347.7	9.5	8th
Wheat and products	4,430.3	172.0	9th
Feed grains and products	9,070.9	315.7	10th
Cottonseed and products	94.3	2.1	10th
Cotton and linters	2,719.5	60.0	10th
Seeds (excluding cottonseed)	576.4	13.9	13th
Tobacco (unmfd.)	1,373.5	4.2	14th
Live animals and meat (excluding poultry)	2,817.3	40.8	17th
Poultry and products	853.5	16.8	14th
Hides and skins	1,795.6	18.0	16th
Animal fats	458.8	4.7	16th

1/ Fiscal year, October 1-September 30
Source: United States Department of Agriculture; Economic Research Service, Commodity Economics Division.

EXPORT VALUES OF AGRICULTURAL COMMODITIES: MISSOURI, 1986-90 1/

COMMODITY	1986	1987	1988	1989	1990
			-million dollars-		
Wheat and wheat products	84.8	26.9	57.7	250.2	**172.0**
Rice	19.4	16.6	23.3	27.9	**25.7**
Feed grains and grain products	192.1	190.4	248.3	300.1	**315.7**
Soybeans and soybean products	479.7	505.9	567.6	421.4	**333.8**
Cotton and linters	10.5	28.8	47.8	40.9	**60.0**
Cottonseed and cottonseed products	1.7	1.2	2.6	2.2	**2.1**
Tobacco	3.1	3.2	2.7	3.4	**4.2**
Dairy products	11.7	13.3	13.6	12.7	**9.5**
Poultry and products	9.1	10.3	12.4	13.5	**16.8**
Live animals and meat, excluding poultry	18.7	23.3	35.1	43.9	**40.8**
Fats, oils and greases	5.2	5.0	5.8	5.9	**4.7**
Hides and skins	14.4	17.8	18.2	18.5	**18.0**
Seed, excluding cottonseed	8.8	8.9	9.9	12.0	**13.9**
Feeds and fodders	14.1	18.1	22.1	26.8	**26.1**
Other (Miscellaneous)	22.6	25.2	30.7	47.6	**53.3**
Total Agricultural Exports	**895.9**	**894.9**	**1,097.8**	**1,227.0**	**1,096.6**

1/ Fiscal year, October 1- September 30
Source: United States Department of Agriculture; Economic Research Service, Commodity Economics Division.

MISSOURI: Agricultural Landholdings of Foreign Owners, December 31, 1990

County	Parcels	Acres	Reported Value 1/	County	Parcels	Acres	Reported Value1/
	(number)	(number)	(1,000 dollars)		(number)	(number)	(1,000 dollars)
Adair	1	1,160	209	Jackson	6	803	10,086
Andrew	1	140	167	Jasper	1	155	150
Atchison	4	1,006	1,086	Jefferson	5	252	313
Audrain	4	787	1,200	Laclede	1	152	220
Barry	1	199	130	LaFayette	1	800	1,595
Bates	1	1,779	1,890	Lawrence	11	1,244	1,154
Buchanan	3	860	868	McDonald	4	2,497	1,167
Butler	1	7	4	Macon	3	3,758	731
Carroll	1	116	110	Mercer	1	1,007	405
Carter	1	198	100	Mississippi	7	1,942	1,265
Cass	1	840	860	Montgomery	1	160	122
Clay	3	1,029	1,588	New Madrid	3	1,160	1,520
Clinton	2	3,138	4,343	Newton	2	220	134
Cooper	2	1,280	1,390	Osage	1	200	375
Crawford	1	1,311	82	Pike	3	3,606	1,790
Dallas	1	30	7	Platte	3	421	546
Daviess	2	1,642	2,022	Pulaski	3	455	234
Dent	1	77	13	Putnam	1	880	1,034
Franklin	1	1,188	512	Ralls	3	614	69
Gasconade	1	21	1	Ray	1	385	768
Gentry	2	512	265	St. Charles	1	235	216
Greene	2	120	120	St. Louis	6	677	12,126
Grundy	5	2,546	4,023	Stoddard	6	5,181	7,077
Harrison	5	2,681	964	Sullivan	1	1,950	520
Holt	2	525	81	Taney	7	6,451	1,318
Howard	5	1,580	2,259	Warren	1	63	320
Howell	1	1,090	818	**TOTAL**	**138**	**61,130**	**70,367**

1/ Reported value is purchase price or nonpurchase price (estimated value) at time of acquisition.
SOURCE: United States Department of Agriculture; Economic Research Service, Resources and Technology Division.

FARMS: Number of Farms, Land in Farms and Average Size of Farm, Missouri and United States, June 1, 1986-90

Year	Missouri Number of Farms	Missouri Land in Farms	Missouri Avg. Size of Farm	United States Number of Farms	United States Land in Farms	United States Avg. Size of Farm
	-thous-	-thous ac-	-acres-	-thous-	-thous ac-	-acres-
1986	113	30,700	272	2,250	1,005,333	447
1987	112	30,600	273	2,213	998,923	451
1988	110	30,500	277	2,197	994,543	453
1989	109	30,400	279	2,171	991,153	457
1990	**108**	**30,400**	**281**	**2,143**	**987,721**	**461**

FARM INCOME: Total, Gross, and Net Income from Farming, Missouri, 1986-90 1/

Item	1986	1987	1988	1989	1990
			-million dollars-		
Cash receipts and other farm income	3,641.1	3,879.4	3,918.2	4,056.8	4,079.8
Government payments to farmers	297.5	489.8	456.9	356.4	299.1
Non-cash income	210.2	222.5	242.9	242.2	252.3
Total gross farm income	**4,148.8**	**4,591.7**	**4,618.0**	**4,655.4**	**4,631.2**
Farm production expenses	3,494.9	3,497.9	3,609.4	3,762.1	3,818.3
Realized net farm income	**653.9**	**1,093.8**	**1,008.6**	**893.3**	**812.9**
Net change in farm inventories	-99.6	-264.7	-145.4	210.0	92.5
Total net farm income	**554.3**	**829.1**	**863.2**	**1,103.3**	**905.4**

1/ Revised data for 1986-89, preliminary for 1990.
Totals may not add due to rounding.
Source: United States Department of Agriculture; Economic Research Service.

MISSOURI FARM BALANCE SHEET :
(Including operator households) December 31, 1985-89 1/

Item	1985	1986	1987	1988	1989
		-million dollars-			
Physical Assets:					
Real estate	19,966	18,539	19,584	20,691	21,462
Nonreal estate:					
Livestock and poultry	1,896	2,067	2,414	2,678	2,881
Machinery and motor vehicles	3,120	3,041	2,975	2,982	3,079
Crops stored on and off farms	911	707	708	897	939
Household equipment and furnishings	880	909	1,042	1,172	1,310
Purchased inputs	26	42	54	66	69
Financial Assets:					
Investments in cooperatives	906	913	928	958	1,004
Other financial	1,142	1,356	1,460	1,516	1,508
Total Assets	**28,847**	**27,514**	**29,165**	**30,960**	**32,252**
Liabilities:					
Real estate debt	3,725	3,343	3,084	2,952	2,844
Nonreal estate debt					
Excluding CCC loans	2,013	1,698	1,551	1,749	1,808
Commodity Credit Corporation loans	736	507	408	172	104
Total Liabilities	**6,474**	**5,548**	**5,043**	**4,873**	**4,756**
Proprietors' equities	22,373	22,026	24,122	26,087	27,496
Total liabilities and equity	28,847	27,574	29,165	30,960	32,252
Debt-to-asset ratio (percent)	22.4	20.1	17.3	15.7	14.7

1/ Revised data for 1985-88; preliminary data for 1989.
SOURCE: U.S. Department of Agriculture, Economic Research Service.

FARM PRODUCTION EXPENSES:
Total Farm Production Expenses, Missouri, 1986-90 1/

Item	1986	1986	1988	1989	1990
		-million dollars-			
Intermediate product expenses	1,860.2	1,928.0	2,016.1	2,094.2	2,160.4
Farm origin	649.9	660.2	754.5	798.3	803.4
Feed	496.3	498.0	581.9	608.0	600.1
Livestock	54.2	60.3	67.6	79.1	91.3
Seed	99.4	101.9	105.0	111.2	112.0
Manufactured inputs	587.5	578.4	604.9	636.7	665.0
Fertilizer and lime	241.7	231.4	249.2	260.0	255.9
Pesticides	125.8	129.8	131.7	156.4	164.8
Fuel and oil	178.5	167.3	171.4	174.3	199.4
Electricity	41.4	49.8	52.6	46.0	44.9
Other	622.8	689.4	656.7	659.2	692.0
Repair and maintenance	292.5	316.9	289.7	293.5	299.1
Other miscellaneous	330.3	372.5	366.9	365.7	392.9
Interest	537.5	484.9	481.3	474.6	474.3
Real estate	306.7	273.0	278.2	275.1	271.1
Nonreal estate	230.8	211.9	203.1	199.5	203.2
Contract and hired labor expenses	146.2	156.2	161.0	178.2	197.0
Cash labor expenses	139.7	148.7	153.7	171.1	189.3
Perquisites	6.5	7.6	7.3	7.1	7.8
Net rent to nonoperator landlords	221.1	244.3	251.2	281.8	239.7
Capital consumption	642.3	592.7	608.5	636.7	640.9
Property taxes	87.7	91.8	91.3	96.6	106.0
Total production expenses 1/	**3,494.9**	**3,497.9**	**3,609.4**	**3,762.1**	**3,818.3**

1/ Revised data for 1986-89, preliminary for 1990.
SOURCE: U.S. Department of Agriculture, Economic Research Service.

FARMLAND VALUES:
Missouri, 1984-91

	As of April 1			As of February 1			As of January 1	
	1984	1985	1986	1987	1988	1989	1990	1991
				-dollars-				
Average Value per Acre of Land and Buildings	875	689	648	604	640	673	679	689
				-million dollars-				
Total Value of Land and Buildings	27,139	21,234	19,901	18,479	19,520	20,459	20,642	20,946

Source: United States Department of Agriculture, Economic Research Service.

AVERAGE GROSS CASH RENTS:
Missouri, 1987-91

	RENT PER ACRE					RATIO OF RENT TO VALUE				
	1987	1988	1989	1990	1991	1987	1988	1989	1990	1991
	-dollars-					-percent-				
Average Gross Cash Rent per Acre **(total farm)**	38.60	44.70	47.00	50.30	**46.70**	7.4	8.3	8.2	9.0	**8.4**
Average Gross Cash Rent per Acre **(cropland only)**	48.30	54.70	59.80	61.90	**62.20**	9.1	9.1	8.9	9.9	**9.3**
Average Gross Cash Rent per Acre **(pasture only)**	19.40	22.70	22.80	24.10	**24.10**	5.4	6.0	6.2	6.8	**6.2**

Source: United States Department of Agriculture, Economic Research Service.

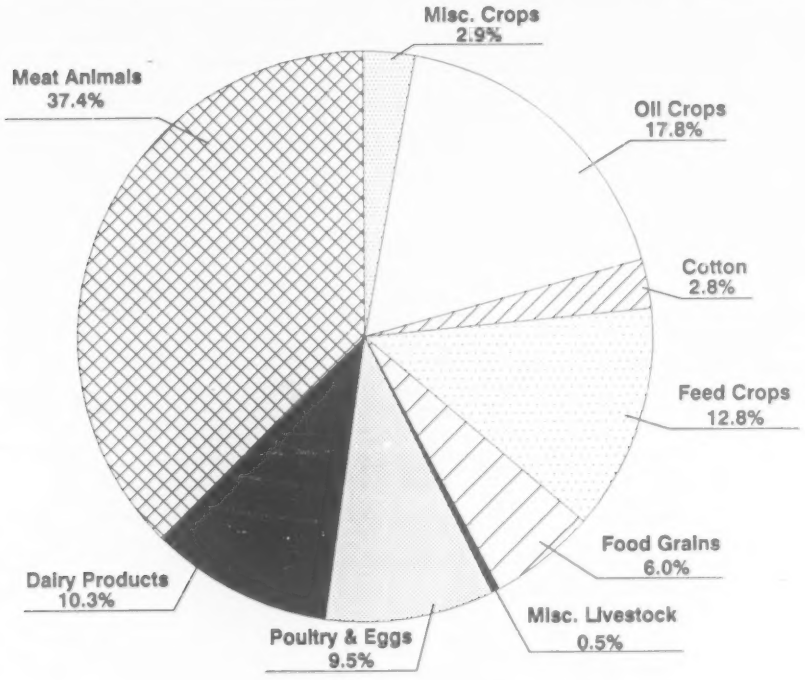
FARM REAL ESTATE DEBT:
Amount Outstanding by Lender, Missouri,December 31, 1984-89 1/

Lender	1984	1985	1986	1987	1988	1989
			-million dollars-			
Federal Land Banks	1,285	1,183	978	807	731	666
Farmers Home Administration	467	479	467	451	426	388
Life Insurance Companies	424	365	300	267	251	230
All Operating Banks	669	694	716	803	884	938
Individuals and others	1,095	996	879	754	660	623
CCC storage and drying loans	20	9	4	1	1	0
Total Farm Real Estate Debt 2/	**3,959**	**3,725**	**3,343**	**3,084**	**2,952**	**2,845**

1/ Revised data for 1984-1987.
2/ May not add due to rounding.
Source: United States Department of Agriculture, Economic Research Service.

1990 CASH RECEIPTS
Commodity Breakdown

LIVESTOCK = 57.7% **CROPS = 42.3%**



CASH RECEIPTS:

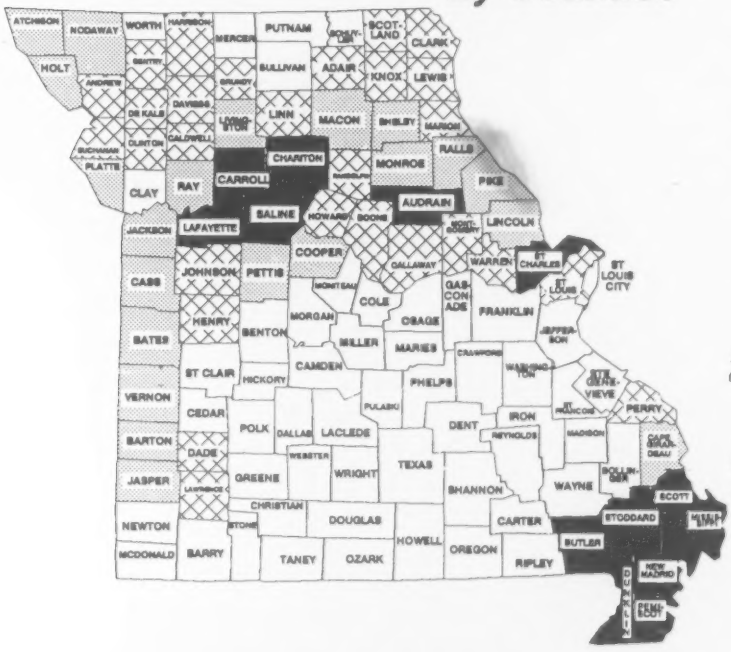
Farm Receipts from Sales of Specified Crops and Livestock, Missouri, 1986-90 1/

Commodity	1986	1987	1988	1989	1990
			-thousand dollars-		
Livestock & Products	1,974,878	2,100,609	2,054,299	2,168,982	**2,270,622**
Meat Animals	1,336,575	1,476,599	1,397,490	1,406,861	**1,473,595**
Dairy Products	352,641	357,120	358,680	388,360	**405,960**
Poultry & Eggs	259,658	247,868	283,720	357,189	**373,394**
Miscellaneous Livestock	26,004	19,022	14,409	16,572	**17,673**
Crops	1,549,203	1,648,840	1,740,223	1,751,019	**1,668,301**
Food Grains	60,055	95,733	253,238	347,144	**237,126**
Feed Crops	520,077	452,574	370,534	466,196	**505,693**
Cotton	61,568	97,475	95,518	95,346	**109,661**
Tobacco	8,803	5,582	5,083	6,356	**11,482**
Oil Crops	802,588	878,648	905,492	724,397	**699,762**
Vegetables	9,766	11,761	11,069	14,343	**12,468**
Fruit/Nuts	13,173	14,547	17,022	12,059	**8,261**
All other crops	73,173	92,520	82,267	85,178	**83.848**
Total	**3,524,081**	**3,749,449**	**3,794,522**	**3,920,001**	**3,938,923**

1/ Revised data for 1986-1989; preliminary data for 1990.
Source: United States Department of Commerce; Bureau of Economic Analysis.

1989 CASH RECEIPTS, CROPS

By Counties



TOP TEN COUNTIES

STODDARD	$78,167,000
NEW MADRID	$72,963,000
DUNKLIN	$59,232,000
MISSISSIPPI	$55,938,000
AUDRAIN	$47,458,000
SALINE	$43,768,000
PEMISCOT	$43,075,000
LAFAYETTE	$41,829,000
SCOTT	$40,364,000
CHARITON	$40,009,000

These top ten counties represent 30.3% of the State's total cash receipts for crops.

$30,000,000 and Above

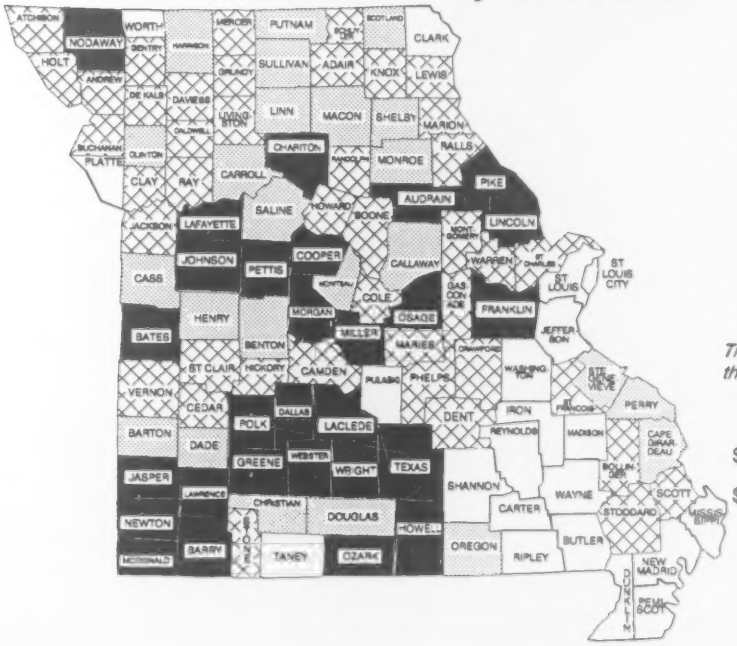
$20,000,000 - $29,999,999

$10,000,000 - $19,999,999

Under $10,000,000

1989 CASH RECEIPTS, LIVESTOCK

By Counties



TOP TEN COUNTIES

McDONALD	$75,629,000
NEWTON	$61,148,000
LAWRENCE	$58,438,000
BARRY	$52,654,000
WRIGHT	$50,725,000
OSAGE	$47,744,000
NODAWAY	$46,029,000
POLK	$45,677,000
MILLER	$44,422,000
WEBSTER	$43,971,000

These top ten counties represent 21.6% of the State's total cash receipts for livestock.

$30,000,000 and Above

$20,000,000 - $29,999,999

$10,000,000 - $19,999,999

Under $10,000,000

Source: United States Department of Commerce; Bureau of Economic Analysis.

REPORTS ISSUED
BY THE MISSOURI AGRICULTURAL STATISTICS SERVICE

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Field Crops*												
Corn	A,P		A				A	A,P	A,P	A,P	A,P	
Soybeans	A,P		A				A	A,P	A,P	A,P	A,P	
Winter Wheat	A,P		A		A,P	A,P	A,P	A,P				
Sorghum	A,P		A				A	A,P	A,P	A,P	A,P	
Cotton	A,P		A		A,P		A	A,P	A,P	A,P	A,P	A,P
Rice	A,P		A				A	A,P	A,P	A,P	A,P	
Hay	A,P		A				A	A,P		A,P		
Oats	A,P		A				A,P	A,P		A,P		
Potatoes	A,P						A,P	A,P	A,P			
Tobacco					A,P			A,P				
Stocks												
Grain	X		X			X			X			
Hay	X				X							
Fruits												
Apples	X						X	X		X		
Peaches	X					X	X					
Grapes	X							X	X			
Livestock, Dairy, and Poultry												
Milk Production	X	X	X	X	X	X	X	X	X	X	X	X
Manufactured Dairy Products	X	X	X	X	X	X	X	X	X	X	X	X
Cattle Inventory & Calf Crop		X		1/			X					
Hog Inventory & Pig Crop	X		X	1/		X			X			
Sheep Inventory & Lamb Crop		X		1/								
Livestock Slaughter	X	X	X	X	X	X	X	X	X	X	X	X
Cold Storage	X	X	X	X	X	X	X	X	X	X	X	X
Egg Production	X	X	X	X	X	X	X	X	X	X	X	X
Farm Prices and Income												
Prices Received	X	X	X	X	X	X	X	X	X	X	X	X
Prices Paid	X			X			X			X		
Miscellaneous												
Farm Numbers & Land In Farms							X					
Farm Employment & Wage Rates		X			X			X			X	
Farm Production Expenditures							X	X				
Floriculture				X								
Honey		X										
Mink							X					
Trout/Catfish		X					X		X			
CROP and WEATHER REPORT **	X	X	X	X	X	X	X	X	X	X	X	X

* A = Acreage; P = Production

** Issued weekly April thru November; monthly December thru March.

1/ Meat Animals - Production, Disposition, and Income

MARKETING YEAR AVERAGE PRICES

Marketing year average prices received by Missouri farmers are based on monthly prices weighted by monthly marketings during specific periods. These periods, by crop are shown below. Marketing year average prices do not include allowances or adjustments for commodities under government loan at the end of the marketing year, commodities forfeited to the Commodity Credit Corporation, crop deficiency payments, of disaster payments.

CROP	MARKETING YEAR
Oats	**July thru following June**
Wheat	**June thru following May**
Cotton, Rice	**August thru following July**
Corn, Grain, Sorghum, Soybeans	**September thru following August**
Hay	**May thru following April**

UNITED STATES DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTRAL STATISTICS SERVICE
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